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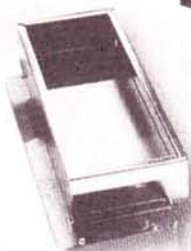
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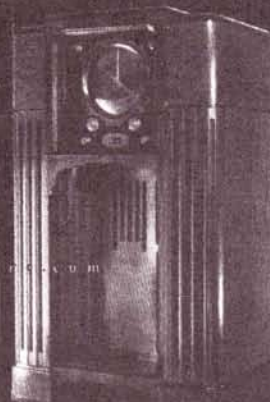
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THOSE WHO HAVE SERVED

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John DiBlasi, W2FX (SK)	1947 - 1964
Earl R. Thomas, W2MM (SK)	1965 - 1968
Clarence Seid, W2KW	1969 - 1971
Barry Goldwater, K7UGA (SK)	1972 - 1973
Frank A. Gunther, W2ALS (SK)	1974 - 1977
Harry S. Gartsman, W6ATC	1978 - 1981
Stuart Meyer, W2GHK (SK)	1982 - 1985
Leland Smith, W5KL	1986 - 1989
Harry Dannals, W2HD	1989 - 1994
Lew McCoy, W1ICP	1994 - 1996
John Kelleher, W4ZC	1996 - 1998

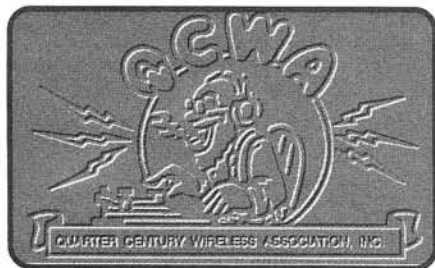
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Ralph Barber, W2ZM (SK)	1955 - 1964
Gus Gironda, W2JE (SK)	1965 - 1973
Ethel Smith, K4LMB (SK)	1974 - 1976
Ted Heithecker, W5EJ (SK)	1976 - 1991

The QCWA Journal

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The Quarter Century Wireless Association

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a noncommercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare.

QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986.

Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership.

In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed.

Membership inquiries and general correspondence should be addressed to the business office at 159 E. 16th Ave., Eugene, OR 97401-4017 USA. Telephone, 541-683-0987. Fax, 541-683-4181.

From the President

Gary R. Harrison, KØBC



Here it is election time again. You may think I am talking about the big political race events you see on TV every day. Not so! The QCWA election is this year also. Be glad we don't do a year or two of speeches, advertising and debates! You should have received your QCWA ballot by the time you get this Journal. Please mark your ballot and return the ballot to the address shown on it. Chapter 123 is the official teller this year. Ballots that are incorrectly marked, un-readable or mailed to the wrong place will not count.

If you haven't done so yet, you need to check out the QCWA reflector. This is where you will find the latest news and special events. You can also express your opinion on various subjects pertaining to QCWA affairs. We have members from several chapters as well as all the Officers and Board of Directors getting the email reflector messages. It is easy to subscribe to this reflector. Just send an email message to majordomo@qth.net. In the message area use this message "subscribe qcwa" just leave off the quotation marks when you send it. You will receive instructions about how to proceed after that. Please do not use an email forwarding address to subscribe. This reflector will only allow a direct email address for subscribers.

The scheduling involved in getting the March QSO party material out to everyone did not work out like we planned so the September QSO material is in this Journal. Please keep this handy and join us on the air September 16th. The W2MM Headquarters station will be on from the Toronto, Canada area. I managed to work W2MM/VE3 while mobile during the QSO party. W2MM had a very nice signal into Kansas City.

I have sent my registration form and check in for the QCWA Convention. Have you? The registration form and information is in this Journal. Carolyn and I have started planning the driving route for Toronto. Its not too early to be planning your trip. Looks like Southern Ontario Chapter 73 has some nice events planned. Chapter 73 has an excellent web site with all of the latest information. You may visit their site using this URL <http://www.kwarc.org/qcwa/>. Join us and meet the Board members that you voted for.

QCWA Honor Awards

There are currently seven Honor Awards issued by the QCWA to honor those who have made outstanding contributions to the QCWA, Amateur Radio or the General public in the field of communications.

Hall of Fame - Given only when it is truly deserved, it is the most prestigious award given by the QCWA for single or multiple events that gain recognition at national or international level.

Roll of Honor - Given to member who has made a substantial contribution but has not received national or international recognition

John DiBlasi - Given to member who has over a long period of time, made an outstanding contribution to the honor and preservation of QCWA.

Distinguished Service - Given in recognition of outstanding service to QCWA.

Member of the Year - Given to a member who has made the greatest contribution to QCWA or Amateur Radio during the preceding year.

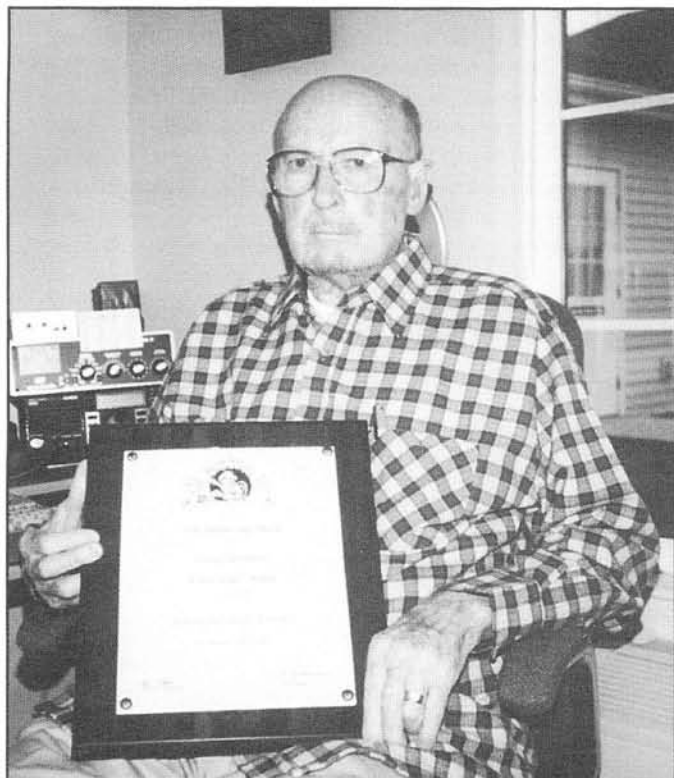
Presidential - Given annually only by the President as many as appropriate. Recipients can be recommended by the Board.

Meritorious Service - Given by General Manager at the request of a chapter in recognition of outstanding service of a chapter member. One per chapter/year.

The QCWA Honor Awards Committee is appointed by the President to consider honor nominees from the Board of Directors and general membership. The nominees are then presented to the Board of Directors no later than the spring meeting of the Board each year for their consideration.

75 year Awards

A. Prose Walker W4BW



A. Prose Walker W4BW shows his 75-year plaque.

Former FCC official and QCWA member A. Prose Walker, W4BW, was awarded a 75 Year plaque this year. Prose is a FCC veteran who played a very important role in amateur radio during his years with the FCC. He chaired the Amateur Radio Working Group in preparation for the 1979 World Administrative Radio Conference, at which US Amateurs obtained 30, 17, and 12 meter bands. He is still on the air with a DX-77 and a windom antenna on all HF bands. He has just turned 90 years old.

Earle Fairbanks W1WG



Nutmeg Chapter President Wade Holcomb, W1GHU, presenting Earle Fairbanks, W1WG, with the QCWA 75 Year Service Plaque at the February 12, 2000 luncheon meeting of the Nutmeg Chapter No. 149. Photo by Paul Taylor, KIAFI, V. P. of the Nutmeg Chapter.

Earle Fairbanks first became interested in amateur radio in 1922 in Manchester, Connecticut. His first transmitter was a spark coil unit. In the beginning, he didn't have a license, and he may have used 1EF as a callsign. Manchester's wireless population at that time included John L. Reinhartz, who suggested to Earle that he get a license. Earle took the Department of Commerce exam and was issued the call IASM, signed by DOC Secretary Herbert Hoover. This first license is still proudly displayed in Earle's ham shack. Later on he was issued W1CSX, and finally, about 1970, he upgraded to Extra Class and was issued W1WG.

Earle collects Vibroplex keys, and is still very interested in CW. He has been married over fifty years to Julia, a nurse, now retired. Fairbanks worked for the same company for over seventy years, finally turning the family business over to the younger generation when he retired. Earle now keeps a daily schedule with several old friends on 80 meter CW. His other hobby is still life oil painting, particularly New England Churches.

75 year Awards

Pearce Chauncey KD4YP



Pearce KD4YP with his wife Connie

After presenting Pearce Chauncey KD4YP with his Seventy-five Year Plaque from QCWA we asked him for some thoughts on his radio history. It reads like a "who's who" of famous old timers and events. Here is his reply:

"In response to a request, I can say my seventy five years of ham radio have been full of pleasure with many outstanding highlights. It attracted me during high school and soon I was licensed W2AOX. I progressed from spark gap to a breadboard layout with a De Forest H tube and slop-jar rectifiers.

College and extensive travel made a long dry spell, which lasted until I had a young family and home in Short Hill, New Jersey. There, I, with my cousin, the late Bob Morris W2LV, joined the Central New Jersey Radio Club. The club members were mostly engineers working for RCA, NBC, CBS, ABC, Bell Labs,

Westinghouse and AT&T. This great group was privileged to attract exceptional guest speakers so we witnessed the early development of the transistor and what was claimed to be the first demonstration of the laser beam. During the war years we built 2-meter radios for Civil Defense.

After the war, a relatively simple but very self-satisfying event occurred. One of our flyers was reported missing in the Mediterranean and through a contact with a Moroccan ham, I was able to call his mother in Oregon and let her know he was recovering in a Moroccan hospital.

During the annual "white-out" period of Admiral Byrd's second (1933-1935) expedition to the South Pole, the personnel were without mail or any other contact with home, so each year I spent many nights phone-patching them, at five minute intervals, to their loved ones all over the country. This activity was covered as a feature story in Liberty Magazine, a popular Sunday supplement.

During the "forties" I spent several weeks each year for nine years representing the N.Y. Herald Tribune throughout the Caribbean. I made many friends among the hams. The Puerto Ricans were especially congenial. Many weekends were spent with them on Isla de los Muertos, an island southeast of Ponce. Other weekends were spent with the famous late Dick Spencely KV4AA, on St. Thomas. It was through KV4AA that I learned of my father's death.

In 1957, along with W2BXA, W2LV, K2LP and several other DXers, I helped found the North Jersey DX Association, which still continues to handle the sorting and distribution of the QSL cards for the Second District.

When I moved to Florida twenty nine years ago my call was changed to KD4YP to comply with the greatly missed district allocations which were still in effect. Shortly after my arrival, the late Ike Roach K4QM, invited me to join him in the formation of the Treasure Coast Net which is still active every day under the guidance of KD2XD.

Ham radio continues to be important to me. I am a member of the Vero Beach Amateur Radio Club, the Treasure Coast Repeater Association and greatly enjoy the fellowship of the weekly Treasure Coast Thursday luncheons. As a past President of QCWA Chapter 48, I feel qualified to report the chapter has never enjoyed greater activity than with the present officers headed by President Joyce Anderson, K4EER.

Pearce is active almost ever morning on the Treasure Coast Net on 7.153 MHz, as well as other nets. Anyone who has been to our Thursday luncheon knows what a wonderful gentleman Pearce is. Acting as our master of ceremonies, he is without peer. 73 to him and Connie. - K4EBK - Secretary/Treasurer of Chapter 48.



Gen. Manager's Report

Jim Walsh, W7LVN

Here is another quarter and time for another Journal. The last Journal with all the candidates shown along with their statements was a great issue. Now that you have looked at all of that please remember that about the end of May, we mail the ballots and I do hope that you will make known your preferences at that time. The tellers are ready and have their counting material at hand.

While in New Guinea we were able to meet with an elderly chap named Aloluka who was the foreman of the craftsmen who built the magnificent church on the mission island of Kwato. Although I did not know him at the time we were there during the war we were able to see the work and appreciate their old steam driven vertical saw that cut the beams for the church. Aloluka was 93 years old and probably the oldest one in the province. It was indeed a privilege to get to meet and talk with him. After we left he later went to Port Moresby to visit his son, for whom he built his last boat, a forty-foot fishing craft, then returned to Milne Bay and visited a few days with his daughter and returned home to his island of Obra. I just recently received an e-mail from our skipper of the boat that Aloluka was buried the day they returned from a dive expedition. I am so glad we were able to meet and talk with him.

Elsewhere in this Journal is a chapter item about losing a lady who has, for a long while, done their newsletter and they suddenly lost her. How nice it is that we can enjoy people and appreciate that sometimes brief moment and treasure it for a long while after they are gone.

News, again. We are now accepting Visa/Master cards in transactions for QCWA. It is a low-key activity, initially, to see how it develops and whether we need to obtain the necessary electronic equipment to make it somewhat quicker on our end.

For those who care, we are scanning old applications and placing the files on CD ROMs. This will empty some 11 file drawers and we now are working on the fifth CD Rom. Would you believe, and this is done in our spare moments here, we are now at the 18,000 count, with some 12,000 to go.

Note a new "block" in the Journal to enumerate the contributions to the Endowment Fund. Read all about it again and make a contribution. 73 to all,

COMING ATTRACTIONS

The Fall Issue of the QCWA Journal will feature an historical event of interest to all members. Many would say it couldn't be done. Don't miss it!

Memorial Scholarship Fund Donations

NAME	HONORING
Chapter 148	W1UKR
William S. Haddock JR	
Chapter 181	W2AUF
Chapter 181	W2XF
Chapter 21	W8LB
Carl A Felt JR	
Elias Etheridge, JR	W4DHz
The Jarvis Family	W4DHz
Chapter 203	W3LQD
Paul O Perry	W4DHz
Virginia DX Century Club	W4DHz
Chapter 119	W4DHz
Arthur W Westmont	W4DHz
Chapter 195	W2AFD
Jim Wise	W4DHz
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J. K. Spittler	W4DHz
Chapter 188	
Chapter 150	
Chapter 91	K6HPR, W4ISG & K4JN
Chapter 63	W5COE
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Chapter 64	KK5JX
Chapter 183	W1VNE
Chapter 45	WB4AUR
Ch 70 & Family of VE3AGU	VE3AGU
Chapter 79	

QCWA Endowment Challenge

Arch Doty W7ACD

Edward W Yoder W3YMB

Larry Briggs W3MSN

H C Knief W4DK

EIGHTY YEARS



Left to right at the Miami Hamfest, Croft Taylor VE3CT - Vice President of QCWA presented an 80-year Plaque to Bill Kennedy W2AS who was one of the founders of QCWA.

Simply Amazing

The Editor, having a close association with the QCWA for only the last few years, was initially astounded at someone receiving an award for being a ham for 65 years. That was longer than I have been on the planet. Then I was faced with 75-year awards. To me, this was almost incomprehensible. Then along comes William Kennedy W2AS this issue chalking up 80 years. This prompted me to do some digging.

According to our exalted record keeper, Jim Walsh, there have been 178 75-year plaques issued since 1987 when it was found there were members that could qualify. Understandably, the 80-year awards only manifested themselves recently. There have been 9 80-year plaques awarded in the last 5 years, including Mr. Kennedy above. It is truly a magnificent achievement.

Point to ponder: Considering the tender age at which some of our ambitious youngsters are getting licenses, they will become eligible for impressive awards about the same time they are eligible for social security.

A PRIVATE OCCASION



Dr. Eugene W. Clark W2HTA of no local chapter but formerly a member of Chapter 77, North New Jersey, is presented his 65-year certificate by Dr. Eugene W. Clark W2HTA, President, VP of no local chapter.

The Editor received this note and picture from Dr. Eugene Clark of Ashuelor, New Hampshire who reached his 65-year milestone with little fanfare. His note explains it all.

Having retired back to my "Old home town", I no longer belong to a local chapter since there is none close enough for me to attend meetings. I was formerly a member of Chapter 77, Northern N.J.

I often note in the Journal, someone being presented with a certificate by a local official. So I decided that I would have to present my 65-year certificate to myself. I enclose a picture of the "exciting occasion". I also hold the Golden Certificate.

I was first licensed in 1934 and still hold the same call. At that time 5 meters was the band of choice for many hams. I was just a kid and I used to hear Ralph Hasslinger W2CVF of Wyckoff, New Jersey on that band. One day I built a one-tube transceiver and with great trepidation called Ralph. Lo and behold, he came back to me and talked to me as one of his "equals". We had many QSOs after that and to this day I am grateful to Ralph for his friendship on the air. I am happy to note that Ralph is still active in QCWA.

At that time I was a dance musician and later, via some home study, received a 1st class Radiotelephone ticket. After a stint at WKNY in Kingston, NY and WTRY in Troy, NY, I went to WOR in NYC where I stayed for 37 years winding up as an engineering supervisor in radio, recording and television (Channel 9). While there, I went to school and became a graduate Doctor of Chiropractic. I did very little private practice but joined the faculty of the school where I taught Neurology and Technique.

Upon my retirement, I returned to my place of birth, became a local town official and served three terms in the New Hampshire Legislature.

I am now a confirmed "ragchewer" on 40 and 75 and enjoy receiving my copy of the QCWA Journal. You people do a great job and it is appreciated.

Fraternally yours,
Eugene W. Clark DC, W2HTA

CQ DX



Chip Margelli, K7JA, DX Editor • 6652 Cerulean Ave. • Garden Grove, CA 92645

PROPAGATION

Finally. . . we have ten meters in high gear!!

Starting in early March, ten meters started to display some of the incredible propagation that it is renowned for (and which we had almost forgotten about!). The ARRL Phone DX Contest was a prime example. Although I could not operate Friday because of a multi-hour lightning storm in the area, Saturday night brought a wide variety of propagation. Starting about 1800 local time (0200 UTC), we along the West Coast enjoyed a nice opening into India, Mongolia, and Central Asia (Kazakhstan, Uzbekistan, etc.). This opening lasted quite a while, and this allowed the sun to work its way across the Indian Ocean.

Sure enough, I listened carefully to a weak signal, and it turned out to be FH/TU5AX! One call (on Short Path) and he was in the log. A few minutes later, he disappeared, and I got suspicious. So I turned the beam down to Long Path (about 190 degrees), and there was the FH again, at a signal level of about S-5. "Uh-oh," I thought, and I rapidly tuned the dial of the FT-1000MP up the band. As I passed across 28.490 MHz, I heard some really loud signals. . . UA4s in a pile-up, calling the Clipperton Island DX-pedition. I flew up to 28.495 MHz, started calling CQ in my poor excuse for Russian, and here they came! Dozens of European Russians called me, and hopping up and down the band yielded other choice finds like FR5DX, a load of 4X and JY stations, and eventually just about any country on the European continent.

Yes, ten meters is back.

We're all familiar with the usual Short Path directions; for Long Path, just go 180° away from that direction. Usually. The ten meter Long Path can actually be somewhat indirect; what I tend to do is to point my beam to about 195 degrees (South-Southwest) after about 8 PM (after Short Path has disappeared). It may not happen until 11 PM, or it may open at 8:30 PM and last for only a half hour. It's unpredictable, and that's what makes it fun. But as "unpredictable" as it may sound, I would estimate that Long Path propagation could be observed here in California at least twenty days out of the month of March.

Seasonal changes throughout the summer, of course, will change the chances of getting Long Path propagation, but the increased ionization here at "solar max" time will bring a lot of joy in the spring and summer seasons.

One trick, of course, is to watch Internet-based propagation sources of solar and geophysical data, and especially try to make time on days when the K-index is either 1 or 0, indicating a nice, stable ionosphere. Then make some noise!

From North America, look to the Northwest (yes, North-west!) in the morning hours for propagation on 15, 12, and 10 meters to Asia and the Western Pacific regions. This unique early-summer path will also extend into South Asia on good days, providing QSOs into India, Sri Lanka, Maldives, Pakistan, and Bangladesh. At the same time, of course, Europe will be booming in. But you can let that ride a bit, because the early evening

hours will truly sing into Europe and Central Asia from North America. I would expect that CQ's WPX CW contest at the end of May will bring 24-hour propagation on 15 meters, and those who want to sleep will probably have to opt for operating single-band on 10 meters instead!! But if your coffee supply is in good shape, 15 meters will be astounding.

This should be a truly memorable Springtime for high-band DXers.

Moving on to 6 meters, we still have not enjoyed widespread DX propagation here in North America; that still seems to be the private property of Europe, Brazil, Africa, and Japan. But Summertime E-layer propagation may provide links to the F-layer, which normally is not there, and this combination will bring some amazing contacts. Because the United States generally is too far north to get in on Trans-Equatorial (TE) propagation (unless you live in the Florida Keys), a single E-layer hop may get your signal far enough south to enable you to make QSOs into South America and the South Pacific. These paths can open and close quickly, so watch the "indicator" stations (broadcast stations just below the six-meter band) for signs that a path is opening. My favorite stations are 45.240 and 45.260 MHz (New Zealand TV) as well as 47.9 MHz (elevator music from Chile). The former stations are monitored in USB mode, while the latter is usually quite loud on FM, when the band is open.

And watch also for Summertime 2-meter (and higher!) ducting propagation. The famous path between the West Coast of North America and Hawaii will undoubtedly expose many new Hams to the world of DX, and especially so because Paul, KH6HME will be equipped with both SSB and FM gear on 2 meters this season from his operating site high on the slope of Mauna Loa volcano.

So make the most of the great high-band conditions. Five years from now, you'll be really glad you did!!

STRAIGHT ELEMENTS DON'T WORK RIGHT!

Anyone who has ever built a beam antenna, either from a kit or from pieces of aluminum stored away long ago, goes to a lot of effort to make sure that the elements are straight. We spend hours and hours lining up the elements, sighting from one end of the boom to the other, over and over again, making sure that all the elements are perfectly straight with respect to each other. Then we stand the beam up on its tail, and make sure that all the elements are properly at a right angle to the boom. After all, we must keep the spacing between elements the same, or else the antenna won't work right? Right? Maybe.

When designing antennas for DX operation, we want both gain and interference rejection. The gain makes us louder, and the directivity gets rid of that rotten QRM that makes it tough to hear the weak DX.

But are straight elements always the best way to ensure an ideal pattern? In many cases, the answer is "no."

One antenna which serves as an example of this phenomenon is the "Moxon Rectangle," a variant of the two-element Yagi. A two-element Yagi, which is a common antenna on 40, 30, and even 20 meters, will provide about 4 to 5 dB of gain, and about 12 dB of F/B ratio (you can measure back rejection in a number of ways; please grant me the liberty of referring to these collectively a "Front to Back" ratio). Is it possible to improve on this F/B ratio?

Moxon, G6XN, has explored the "VK2ABQ" type of antenna in his famous book *HF Antennas for All Locations* (RSGB), which is available from most all amateur dealers. The VK2ABQ looks a lot like a quad element laid over so it is flat with respect to ground; the feedpoint stays where it is, but along the sides of the antenna the wire is opened up, and the fed side thereby is backed up by a reflector (the back half of the wire loop). I hope you have this pictured.

This antenna is a great way to build a compact 2-element beam if you don't have enough space for a "full-sized" beam, and its gain is rather close to that provided by the bigger beam. But the F/B ratio isn't quite as good as we'd like it. Yet.

Additional computer work by Moxon and by L.B. Cebik, W4RNL (and others) has produced a remarkable refinement of the VK2ABQ antenna. This is a hybrid between the VK2ABQ and the traditional 2-element Yagi (with straight, parallel elements). Picture first a "regular" 2-element Yagi, with elements roughly 2/3 as long as normal. Both front and rear elements are the same. Now, from each element tip, bring a wire (or aluminum tubing) inward toward the other element tip on the same side. With insulators suitably placed, and perhaps some rope to hold the wires in place, you'll see that you've created a rectangular antenna. A little experimentation with element lengths will produce some remarkable performance:

- (A) The F/B ratio will rise to perhaps 30 dB or more. This is a tremendous result for any antenna.
- (B) The impedance will probably be very close to 50 Ohms, instead of the 25 Ohms one might expect from a "regular" 2-element Yagi. So you can feed this antenna directly with 50-Ohm coax and a 1:1 balun.
- (C) The gain will probably be within 1/2 dB of that provided by a full-sized 2-element Yagi with straight elements. Since 1 dB is the minimum amount one can hear, this gain difference just does not matter.

How is this possible? What is behind the success of the "Moxon Rectangle" is the careful control of the mutual coupling between the two elements. Straight elements, at least in a two-element Yagi-type array, do not necessarily couple in a manner which will produce high rejection of signals from the rear. But if we can improve the coupling, and get the reactances in the two elements working together to null out the signals from the rear, the great performance described above can be realized.

I encourage you to check out this class of antennas. I have built one for 15 meters for Field Day use, and look forward to putting it through its paces this June. While testing it mounted on a tripod on my roof, I made one call to a JT1 in Ulan Baatar, Mongolia, and he came right back; not bad for five watts on my side!

For a temporary antenna, or a good antenna to fix on a tower to put you on a band not covered by some other antenna you

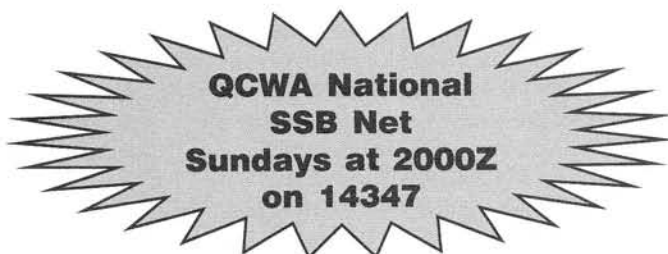
have, the Moxon Rectangle is hard to beat. You need to keep it separated from other antennas, as the close coupling can easily be upset by another antenna three or four feet away. But once it's up, it will provide great pattern discrimination and very useful gain. If you're into "fox hunting," a 2-meter Moxon Rectangle was described in the January, 2000 issue of QST (beginning on page 60) in a fine article by KB8WEV and WA1FXT.

More information on Moxon Rectangles can be found on W4RNL's Web site (<http://www.cebik.com>), and an article on a 10-meter version is featured in Volume 6 of ARRL's popular *Antenna Compendium* series of books. If you do your own modeling, and plan on using aluminum tubing with wire extensions, you may find that Mininec-based programs give better accuracy than do NEC-2 programs for severe tapers and right angles.

Finally, on the subject of straight antenna elements, may I also provide anecdotal evidence of this fact of physics? During the 2nd "DX-Caribe Cruise held back in 1995, we built a two-Yagi rotatable array for 2-meter moonbounce-every day! We'd scamper to the operating site, assemble the antennas, put them up, and then get on the air. In the afternoon, we tore them down, threw them into the back of a truck, and lugged them back up the stairway to the S.S. OceanBreeze. As you can imagine, by about the third day of the cruise, the elements were no longer perfectly straight. In fact, they were crooked, not parallel, and a few connections were loose. Nonetheless, every day of the cruise, signals on 2 meters seemed to get louder, and on the last day of operation K5GW was peaking S-5 to S-6 on the meter! So if you don't think your antenna is working quite right, bend an element or two, just for fun. You might find that it works better!

73 for now.

Chip Margelli, K7JA



RULEs & REGs



by Jack Kelleher, W4ZC, 612 Ednor Rd., Silver Spring, MD 20905

This column presents a summary of recent significant actions in the area of domestic and, as appropriate, international Rules and Regulations.

The banner headline in the W5YI Report for April 1 is "Petitions for Reconsideration of New Ham Rules Filed!" Here is a summary of the story.

Alan Wormser, N5LF, Frederick Adsit, NY2V and Michael Dinelli, N9BOR have filed a 25-page Revised Petition for Partial Consideration (sic) of the Report and Order that restructured, streamlined and simplified the rules and regulations governing the Amateur Radio Service.

The revised petition was received at the FCC on February 29: their original petition was dated January 17, 2000; the revised petition was filed when a last minute rules change appeared in the version published in the Federal Register on February 10, 2000 (By rule, petitioners have 30 days after publication in the FR in which to request reconsideration)

The petitioners make the following allegations:

- 1 While the R&O simplifies the Amateur Radio Service, it also compromises the basis and purpose of the Amateur Radio Service.

- 1 The R&O discourages technical innovation, unnecessarily lowers technical requirements for licensing, and

- 1 fails to address major issues brought forth by the comments.

The petitioners address what they call problems created by the R&O including:

- (1) decreasing emphasis on the technical questions on the written tests;

- (2) failure to consider comments calling for an end to applicants repeating failed test elements at one sitting by just paying a second fee to the Volunteer Examiner;

- (3) unnecessarily reducing the telegraphy speed requirement for Amateur Extra Class;

- (4) merging the Technician and Technician Plus designations within the FCC data base, which hampers enforcement and thereby may violate international treaty; and

- (5) extending exam credits to those whose licenses expired as long as 40 years ago.

The Petitioners ask that the Commission reconsider the R&O and:

- (1) retain sufficient question pool categories within Part 97 to maintain, or increase, the proportion of technical and theoretical questions on each written test;

- (2) set the total number of questions per written test to 50 questions each for the Technician and General Classes, and 100 questions for the Amateur Extra Class;

- (3) allow an applicant to fail only one written element and one telegraphy element per VE session (or per day), or declare that such a rule change is beyond the scope of the present rule making;

- (4) retain the 20 wpm telegraphy test for the Amateur Extra Class, and do not allow code waivers;

- (5) keep Technician Plus designation within the FCC's database, and

- (6) revert to the previous wording on § 97.505(a)(5) which required that a Novice hold an unexpired (or expired within the grace period for renewal) operator license in order to receive examination credit.

On March 13 the American Radio Relay League filed a 14-page Petition for Partial Consideration, requesting that the Commission (1) continue to maintain records which indicate whether a Technician licensee has passed a telegraphy examination which entitles that licensee to operate on certain high frequency (HF) bands, and (2) modify the Commission's Rules to specify that any amateur having passed an FCC-recognized telegraphy examination prior to the effective date of the rule changes, is entitled to receive credit for the telegraphy element when applying for future upgrades.

The overall length of the two petitions — 39 pages — precludes giving the detailed rationale for the proposed changes — We suggest that you watch the ARRL and FCC Web sites for more information, especially on possible delay of rule changes, now scheduled to become effective on April 15th 2000.

SOUTH AFRICA, AUSTRALIA TO ADOPT 5 WPM FOR FULL HF ACCESS (ARRL Ltr V19 #13, 3/31/00)

Two more countries have joined a small but growing list of administrations that have adopted a 5 WPM Morse code test requirement for full access to the HF bands

PRB-1 BILL INTRODUCED IN NEW YORK (ARRL Ltr V19, #12, 3/24/00)

A bill has been introduced in the New York State Assembly to codify the essence of the limited federal preemption known as PRB-1 in New York State law. Assembly bill A. 9947 would require localities to "reasonably accommodate" Amateur Radio antennas and would prevent localities from restricting antenna structures to less than 95 feet above ground level or from restricting the number of support structures.

FCC: HOLD THE PHONE ON CORES AND FRN (ARRL Ltr V19, #12, 3/24/00)

The FCC has rescinded a March 16 Public Notice that announced implementation of the FCC's agency-wide Commission Registration System (CORES) and the issuance of an FCC Registration Number (FRN) to each licensee. The new system, which would supplant Universal Licensing System registration for Wireless Telecommunications Bureau-administered licensees, was to have gone into effect next Monday, March 27. Some key FCC personnel said they were unaware of the new system until they saw the Public Notice on the FCC's Web site.

US APPEALS COURT UPHOLDS RF EXPOSURE REGULATIONS (ARRL Ltr V19 #10 3/10/00)

The US Court of Appeals for the Second Circuit has upheld the FCC's 1996 RF exposure guidelines. The court also turned away a challenge to the FCC's exclusive ability to regulate relevant radio facility operations. The wide-ranging challenge was brought by the Cellular Phone Taskforce joined by other petitioners including the Communications Workers of America.

In an opinion released February 18, the three-judge panel upheld the FCC against the challenges on all points. The Court disagreed on all facets of the petitioners' claims. The petitioners, in part, had claimed the FCC failed to account for non-thermal effects of RF radiation, didn't evaluate new evidence, failed to get expert testimony, and failed to account for "scientific uncertainty" about RF exposure in deciding to not lower the maximum permissible exposure levels below the maximum permitted thermal levels. The petitioners also faulted the FCC for adopting a two-tiered MPE level system that allows for higher exposure in "occupational/controlled" situations than in "general population/uncontrolled" situations.

Additionally, the Appeals Court said the FCC was not irrational, arbitrary or capricious in its decision and that it did not ignore "substantial comments" from experts;

noted that licensees are still responsible for compliance; that an interested person can petition the FCC for review of a site believed to violate the MPE levels;

disagreed that an environmental impact statement was required from the FCC;

rejected the petitioners' arguments that by not considering RF interference with medical devices, the FCC failed to take a hard look at the environmental consequences of its actions.

rejected arguments that—under the Telecommunications Act of 1996—the FCC did not enjoy broad preemption authority over state or local government to regulate wireless service facilities.

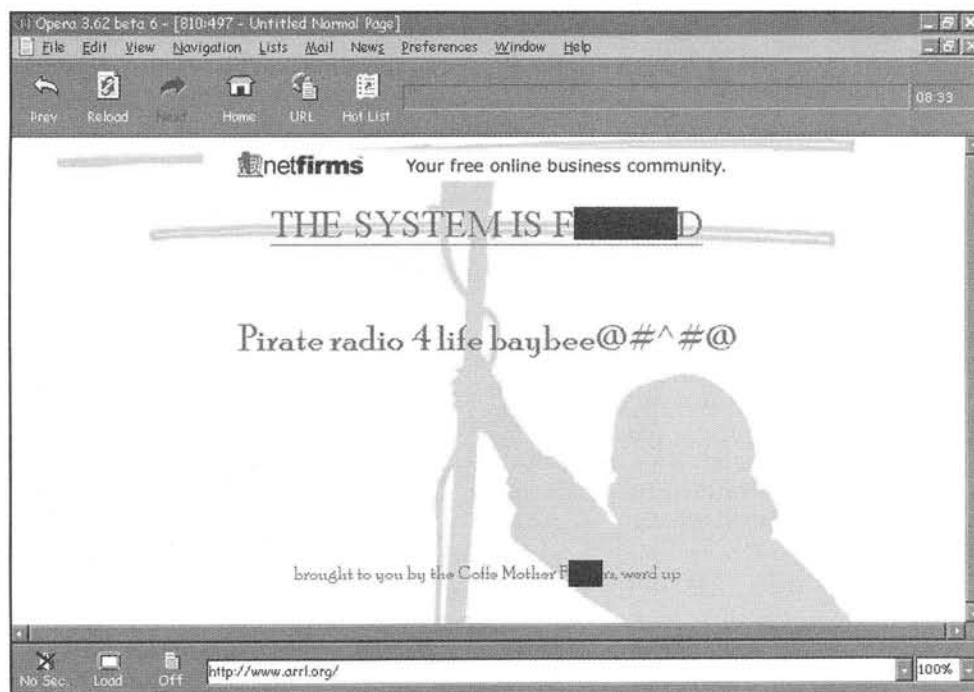
ARRL RF Safety Committee Chairman Greg Lapin, N9GL, credits the FCC with being comprehensive in developing its RF safety regulations and thinks the Appeals Court did the right thing. "The FCC is not a health and safety organization, and the Commission never intended the rules to serve as a standard," Lapin said. He pointed out that the FCC's rules are based on accepted ANSI/IEEE and National Council on Radiation Protection and Measurements standards and based on "mountains of research and the opinions of lots of experts." "The appeals court recognized this in its decision," Lapin said.

ARRL Website Hijacked

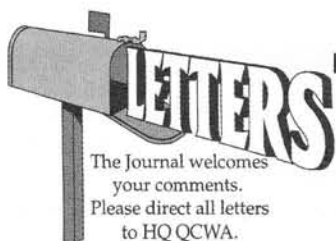
Visitors to the ARRL web site on Monday April 24, 2000 may have been stunned by the web page that appeared on their monitors. The page shown in the screenshot below carried an obscene message (which has been "redacted") and exclaimed, "Pirate radio 4 life baybee@#^#@".

According to information becoming available, the web site

was not hacked in the true sense of the word but hijacked. It was accomplished by modifying the domain name at Network Solutions, who register domain names, then redirecting users to a bogus site thought to be in Canada. Some e-mail service to staff and officials was affected but no ARRL files were damaged. The ARRL expects the site to return to normal after a few days.



Screenshot of ARRL Website on April 24th after being hijacked.



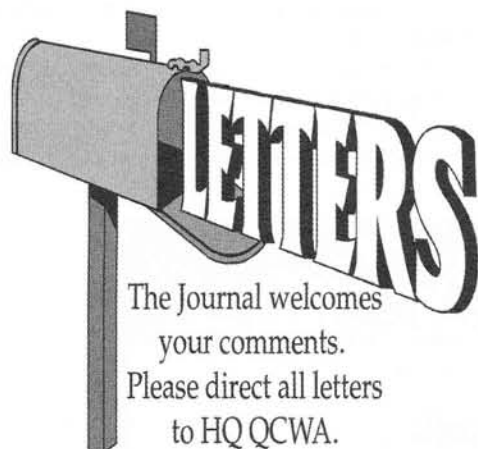
Re: Article - Lightning can ruin your day from Robert P. Thayer W1PBE

Lightning rods are not always required because a well constructed antenna & ground is fully as good if not better. Unfortunately, amateurs may want to design their own RF radiators and some make mistakes.

Towers need grounding unless used as a vertical radiator. In that case, an "arcing horn" set to minimum spacing in each instance, must provide a short path for the charge of the earth to meet the charge from the sky. A typical antenna of wire, cut to proper length and center fed, needs two separate open-wire feedlines - one to feed RF and the other, the DC charge from the earth. It must be at least 1/4 wave long at the lowest frequency to be used. The ground can be radials (several ground rods of copper-plated steel, 6' or longer) or any low resistance type buried in damp soil.

If you're using an existing telephone ground, check to be sure it is not resting on stone or a ledge and is in damp or wet soil. All grounds should be bonded together.

Antenna Tuner



Use DPDT knife switch

Each unit ground should have a separate wire, if not in a rack, to a common ground point.

Note: Transmitter output goes link-to-link without switching from transmit to receive (no antenna switching relay). When using series fed towers, never use a galvanized ball horn, as it will someday cause a short across the horn.

W1PBE

Dear Robert - I will gladly take your word for it. If pressed, I will take the fifth.

Offended by offended from Richard L. Scott W8FDN

I am offended that the QCWA logo offends. I personally am not disturbed that my grandfather, 60 years ago, smoked a pipe, or that my great grandfather, 90 years ago, smoked a pipe. That was their time, culture and values. I hope that they enjoyed every minute of it.

The QCWA logo represents the old timer, the early days of our hobby. The logo honors this. What could be more representative of an old time operator?

Possibly the offended may want a new logo each generation or so to represent their era and culture. Today that might mean a hippie looking operator with earring, a baseball cap on backwards with a packet of a white powder next to the key. And no glasses, contact lenses of course.

One vote to keep our history.

Richard L. Scott W8FDN #9939 - Cleveland OH

Dear Richard - We must be careful. The characterization for a logo representative of the current era and culture could be construed as profiling; another offensive issue.

"Kid in Candy Store" article stirs memories from Phil White K5PW

On a late October afternoon in 1963, I jumped off of the school bus, which had ferried me the 12 miles from high school to my 1949 Mercury, which I had parked on a deserted dirt road in Central Texas, about a mile from my house. I drove the 3/4-mile to our little Post Office to check the mail. There it was!!! The envelope from the Federal Communications Commission! I ripped it open to find a "computer printed" document proclaiming Novice Operator Privileges signed by C.B. Plummer with the call letters WN5ERE. Now, for a 16 year old high school country boy there was little that could be more exciting, maybe except for fogging the windows on the 49 Merc on Saturday night. Well, I had had a more than one Elmer in this graduation to Novicedom. I had spent several weeks during the summer and weekends during off vacation times with my grandmother in San Angelo, Texas. My dad, although not a ham, had helped fan the flame by acquiring a Hallicrafters receiver, which I explored incessantly. I listened to Arnold, W5JXA, and many of his 'roundtable' on 40 meters AM and one day conjured up the nerve to go visit him while he was 'in QSO'. Another Elmer was identified.

Now I presented Arnold with a myriad of pesky questions. What was SWR? What was this Donald Duck stuff I was hearing? How could I listen to it? And what the heck was all of this "interference" I was hearing on my Hallicrafters? Well, Arnold identified this "interference" as CW. That's the 5 words a minute stuff I endured to assure my ascent to Novicedom. But where was it coming from? It was finally identified as a ham QSO from a shack located less than a block from my grandmother's house on South Abe Street in San Angelo. Arnold told me that it was

Marcus, W5TGV, and he didn't own a microphone. (Was that legal?) I never did muster the nerve to go meet the guy.

Well, I grew up and over the years, took a few upgrade examinations (a couple more than once). I now hold one of those store bought calls, K5PW. I found out through the grapevine that Marcus had upgraded his call also - to W5CN. (Now that does sound good on CW!) Well, 36 or 37 years later, I saw that call on a VW Bug in the parking lot at the infamous Midland Swapfest. So, I started looking. I found him hawking his stuff - an old Atwater Kent receiver, an old Collins transmitter, etc., and I introduced myself. A short visit ensued and I learned that my granddad had bought his house on South Abe Street from his folks, and we swapped pleasantries until it was time to go. I learned that I had missed out on thirty some odd years of knowing a different kind of Amateur Radio operator. He's the guy that insists that Shure is a misspelled word. He had a microphone for sale on his table, a very old Webster hand held mike (probably the only one he ever owned).

The weekend is over, I didn't win any of the door prizes or the grand prize at the swap fast, and I am home with my sack of PL259's on my desk. I dusted off the Vibroplex my XYL gave me a couple of Christmas' ago, and hooked the Dow-Key up to my old Globe Champ transmitter and my HQ170A receiver and slip back into the real world of ham radio. Well, almost. I cheat a little. I hook up a DSP-59+ to the receiver. Oh well, I still have the old Globe Champ. I wish I had saved the 49 Merc as well! Ain't hindsight wonderful?

When I returned home from the swapfest, I found my Spring 2000 issue of QCWA in the mailbox. I fondly remembered these good times as I read the article by E. Marcus Barnes, W5CN, in that issue. Marcus, thanks for the memories, both enjoyed and those missed because I didn't take the time to walk the block to your shack!

73, Phil White K5PW ex WN5ERE, WA5JVC, WQ5Z

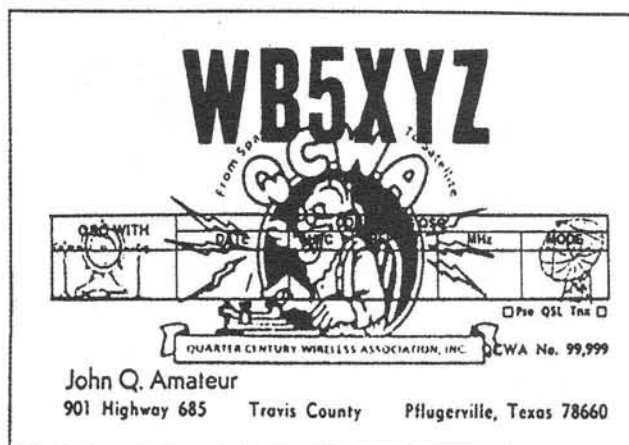
Journal Of Commerce plans to scrap daily edition Weighs moving offices

The above headline appeared recently in the Wall Street Journal. *The Journal of Commerce* is the oldest business newspaper in the United States. It announced that it would no longer publish its daily edition, instead, publishing a weekly magazine and a Web site for breaking news. *The Journal of Commerce* has reported on Trade, Transportation and Insurance since 1827. It reached its peak of popularity in the 40s and 50s since it was the only newspaper that could be used by shippers to publish their schedules.

How is this of interest to QCWA members one might ask?

Samuel F. B. Morse founded the newspaper. You may have heard of him.

Order Your Official QCWA QSL Cards Today...



QCWA QSL cards are USA standard size, printed on a heavy stock which is "coated" (shiny) on the logo side. Ink is a bright blue with light gray QCWA logo, and you may have your call in either solid letters (above) or shadowed (right). **WB5XYZ** Be certain to specify the letter style when you order.

If you want your county printed, please indicate so on the order blank. Also, tell us whether you want your state spelled out in full or printed with the standard postal abbreviation. Prices listed below include shipping. **Please print very clearly or type your order.**

Order Your QSLs Here

Complete in full and mail with your check to:

Call _____ ☐ Solid ☐ Shadowed
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 County (optional) _____
 City _____
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 Zip _____ ☐ ARRL
 Province/Country (if non-USA) _____
☐ 10 - 10 # _____ ☐ Grid Sq. _____
 Quantity: ☐ 100 \$25.00 ☐ 200 \$35.00
 ☐ 300 \$45.00 ☐ 500 \$60.00
 ☐ 1000 \$80.00

Complete in full and mail with your check to:
 QCWA, Inc., 159 E 16th Ave, Eugene OR 97401-4107

K1TQY, Silent Key

"An enduring model of volunteerism."



Dawn Cummings, displaying the citation she received from New Hampshire's Governor Shaheen for her adept use of The Keene Machine in the rescue of students on nearby Mount Monadnock. (Photo courtesy of NIKLG.)

KEENE, New Hampshire - Dawn M. Cummings, K1TQY became one of honored silent keys Wednesday, February 2, 2000. She had been stricken suddenly by congestive heart failure the previous day.

Remembered as the friendly voice of The Keene Machine, one of New England's most popular wide-area multiband repeaters, which bore her callsign. Dawn was always on the air when help was needed. In the words of New Hampshire's Governor Jeanne Shaheen, she was "... and enduring model of volunteerism."

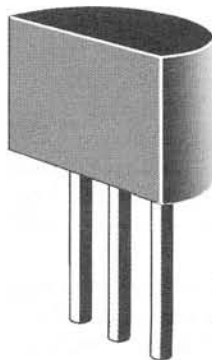
In addition to her work as Trustee of The Keene Machine, Dawn was twice elected President of the Women Radio Operators of New England (WRONE) affiliate of the YLRL. She served previously as Vice President, Net Chairman, Membership Chairman and a director of WRONE. A devoted traffic handler, she was Net Manager of the NTS First Region Net and a NOAA Local Weather observer. As an American Red Cross volunteer, she provided emergency radio communications for the New Hampshire West Chapter. Licensed in 1962 at age fifteen, she was an active member of the ARRL and the QCWA.

Proprietress of "Anything But Common," a local consignment shop, she subsequently donated lap robes to the elderly at Cheshire Medial Center. Many newborns there were welcomed with baby afghans and bonnets made by Dawn.

Retention of her callsign for The Keene Machine is planned as a permanent memorial.

Jim Larsen, K7GE, SK

Jim Larsen, K7GE, became a SK February 2, 2000. Jim founded Larsen antennas and was a ham for some 67 years. He was a contester, a great CW operator, and experimenter. Some even called him the Mad Scientist. He dearly loved this hobby and contributed much to it over the years. After he sold the business he spent a lot of time attending various ham events across the country. Right after the war we worked together at United Radio Supply in Portland, OR and I remember his arranging to purchase a LST loaded with surplus radio gear towing it to Portland where we had some great auctions of this gear. After that was done they sold the LST for scrap metal. Jim Walsh, W7LVN



A Bit of Electronics History

Reprinted with permission from Smoke Signals (Chapter 91) Newsletter, Jim Wilcox W3WV, Editor.

(This is something from KM4ML's friend, Vince that made me groan ... a lot. Maybe it'll make your day too! - w3wv)

The transistor was invented on Christmas Day, 1948, by Emily Gerund, a high school teacher of English from Boston Massachusetts, who was serving a 20-years - to life sentence in the state penitentiary for throwing her husband's coat under a speeding truck. The judge was rather severe in sentencing Ms. Gerund because her husband just happened to be in the coat at the time.

The Governor of the state owned an electronics firm and so was able to provide surplus vacuum tubes to the prisoners so they could decorate their Christmas trees.

Now Emily had an extremely tiny tree, much too small for a string of 6V6s or even for a single QL4. However, she did just happen to find some germanium crystals lying around. She stuck three wires in each one and used them to decorate her tree. She was quite surprised when, after she completed the tree, it started picking up the Jack Benny Show.

The Governor, upon learning about this and realizing its implications, immediately rushed to the prison and offered Emily a full pardon in exchange for the manufacturing rights to her invention.

"Of course, Governor," she replied. "In this case, I'll be glad to let you end a sentence with a proposition."

Of course, Winston Churchill would say, "This is something up with which we shall not put."



Editor's Corner

The Summer issue of the Journal is now of ficial as is the arrival of hot weather. For some of us, like here in Florida, it's just a bit hotter than elsewhere. I guess I would get an argument from all those out there in Arizona.

Then there are those who are hot under the collar. There were errors in the QCWA Crossword Puzzle that the author Al La Placa has humbly acknowledged. The answer sheet was correct but the blank puzzle was wrong, he says. He went on to explain that the western resort clue should have been followed by "(phonetically)".

I would like to extend my sincere thanks to Mike Katzdorn and the Radio Club of America for their assistance in researching the article "Russell was associated with one of the greatest moments in radio history" that expanded on the excellent "A Kelleys Island Adventure" by Joseph Zelle. Joe had the good fortune of meeting James Russell, one of the unsung heroes in one of the greatest achievements in radio history. I fear the significance of the achievement might be lost for many of the younger members of the amateur radio community so I decided to do a brief historical review of the event.

For all the photographers lurking out there, the Journal is always interested in appropriate color photographs that could be used on the front cover of the Journal. So far, we've been lucky to be able to use photographs from regular chapter reports. Perhaps some of you aspiring photogs might sleuth around and capture an image that could be shared with everyone, and in living color. Certainly old black & white photographs would be interesting and are not to be ruled out. They are always welcome for inclusion in the regular material.

I would like to echo the comments of our President Gary Harrison regarding the excellent web site for the Southern Ontario Chapter 73. Everyone should try to view it. The design of the web site is superb. Go to: <http://www.kwarc.org/qcwa>

QCWA Word Puzzle

E	D	H	O	T	N	E	S	O	A	R	E	R	K	A	Z	H	O
G	A	I	O	S	W	S	S	D	A	I	E	E	E	D	D	E	M
T	M	D	W	T	A	O	A	R	T	T	O	W	N	S	O	L	R
E	R	O	L	E	I	N	E	E	N	C	I	D	H	N	H	D	S
D	C	F	S	D	A	F	F	C	E	L	I	I	A	E	G	A	S
A	H	H	A	C	H	U	R	S	S	E	A	M	D	T	N	N	L
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U	E	C	C	E	A	A	T	U	T	V	G	T	P	O	D	O	W
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S	Y	I	A	A	A	N	N	J	O	E	O	B	D	T	F	X	H
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M	P	S	A	A	L	T	O	I	W	L	F	S	A	N	F	J	E
C	L	S	J	D	E	A	R	Y	A	O	R	T	H	E	E	O	I
L	R	E	D	T	I	E	E	T	B	S	N	S	N	H	R	U	E

Find the Words:

THE
QCWA
NATIONAL
CONVENTION
WILL
BE
HELD

IN
TORONTO
CANADA
RADIOS
FIRST
CENTURY

Gauge your results

Completion time

2 minutes or less
2-5 minutes
5-10 minutes
10-30 minutes
30-60 minutes
Over 60 minutes
Didn't try

Analysis

You have obviously cheated
You probably are first pick in a pileup (lucky)
You may qualify for high office in QCWA
You've spent a lot of time in airports and waiting rooms
You can watch 15 minutes of news without screaming
Tenacious - has antenna with 0 SWR
Incredibly smart

Solution on page 54

If you peek - 5 points will be deducted from your next QSO party results



Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal. Please send the reports to General Manager, Jim Walsh, to arrive no later than the following dates: July 1, October 1, January 1, and April 1.

Chapter 1, Cleveland

Once again our most distinguished QCWA member has been honored in recognition for his work as a pioneer in Ham radio. He is Al Gross, W8PAL, QCWA #27384, better known as the "Father of the Handheld". It was Al who way back in the Thirties and Forties was busy designing and developing the handheld transceiver. Al fathered a whole new industry culminating in the rapidly expanding worldwide cellular technology.

Gross is a Life Fellow Member of IEEE. He holds the Karapetoff Award. In 1987 he received the Japan Electronic Association Award. He was named a Marconi International Fellow in 1989. He was made an honorary member of the ITU in 1997. Last year the Radio Club of America conferred its highest award on him. Now the IEEE has chosen Al with his electronics achievements, bestowing on him the Edwin Howard Armstrong Achievement Award for 1999.

Cleveland Chapter No. 1 is proud of its most distinguished QCWA member, Al Gross, W8PAL. Congratulations, OM!

**THAT'S
JULY 1, 2000
FOR CHAPTER REPORTS**



Our Chapter also rolled out the royal carpet for QCWA member, Richard Storm, QCWA #24494, and his lovely XYL, Doris. Richard was licensed in 1958 as SM5BVU and resides near Stockholm, Sweden. While in Cleveland, he visited fellow Cleveland Chapter No. 1 members. Thirty members showed up at Dimitri's Restaurant for luncheon provided by our chapter. An eyeball QSO with Richard and his XYL followed.

Doris is a well-known national and international dress designer. She was presented a beautiful white corsage. Also, as a token of good will, Richard was presented our chapter members' Certificate of Merit by our VP, Dick Ingraham, WA8TPP. The attending guests also presented their QSL cards to Richard for the eyeball QSO. While in Cleveland the visiting Storms were the guests of Mr. and Mrs. Sanderson, W8WNA.

Our Spring luncheon-meeting was scheduled for Saturday, April 29 at Dimitri's Restaurant. Our VP, Dick Ingraham, WA8TPP, scheduled a video presentation of the role that Amateur Radio played during the Desert Storm military operations.

Our QCWA Cleveland No. 1 Chapter repeater, W8LYD, is now operational on 146.85/-0.25 MHz. Some minor intermod problems are being worked out by our treasurer, Ray Wassum, W8SLZ, John Mistic, W8VRJ, and Jeff Cavelli, WA8SAJ, as well as our Club Station License Trustee, Jack Goldfarb, W8WGO. W8LYD will be an open repeater. Internet facilities will be included soon on our repeater, too.

In the meantime, all Radio Amateurs are invited to join our net every Wednesday night at 2000 EST, on the LEARA Repeater (146.88/-0.28 MHz).

Welcome to our new QCWA members: John E. Esborn, K8OCK, Wickliffe, Ohio, QCWA #30244; Augustine Mirsalis, W8RPT, of Richmond Heights, Ohio, QCWA #08038; Nate Firestone, W3SVJ, of Pittsburgh, Pennsylvania, QCWA #11713-L; Murray A. Scott, KE8UM, of Clawson, Michigan, QCWA #28296-L; and Glenn H. Shore, QCWA, of Twinsburg, Ohio, QCWA #30134.

Next meeting is scheduled for Saturday, July 15 at Dimitri's Restaurant. As always all QCWA members and Radio Amateurs are cordially invited to attend the meeting.

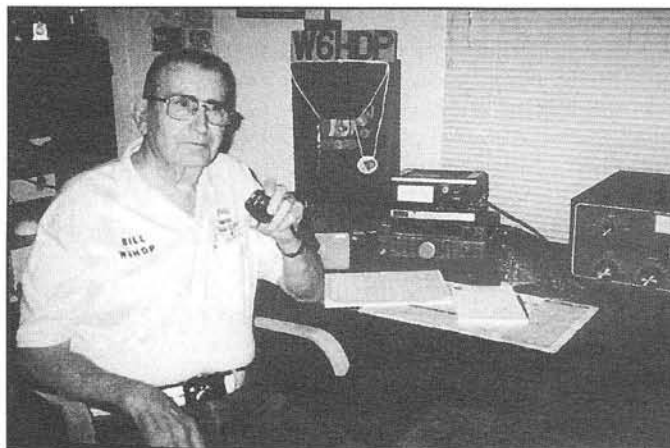
Joseph Zelle, W8FAZ

CN8GC. Living in Kenitra, a ground plane was immediately installed on the roof, a Hammarlund HQ-110 was ordered and I made use of a Heath DX-35 transmitter that I had built up in the Philippines. I was back on the air after a lonely two years. Later, in Naval housing at Sidi Yahia, 24 miles inland from Kenitra, where I worked, I built my second 10-15 meter quad and a 10-15-20 meter mini beam. A Knightkit T-150 transmitter was ordered and built and I was in business with a snappy looking station. This was a great and exciting time with much DX and Stateside contacts. So, each time, it was getting better. But the best was yet to come (See photos of station). In 1964 I was back Stateside at Key West, Florida for my last two years in the Navy before retirement. Which means they "Piped me over the side". At Key West, I bought my first SSB rig, a Drake TR-4 with all the Hustler antennas and went mobile. In 1966 it happened, I retired. So, on to the 70's, 80's, and 90's as a civilian and to experience the most exciting times I would ever have in Amateur Radio.

In 1967, after operating all those years in the states as W4NFD/Portable, and now living in Southern California working as a computer electronic tech, I modified my callsign to W6HDP. Ham radio changed radically, I built another small quad for 10-15 meters, then bought a Cubex quad, later operated with a Tempo one and later went mobile for five years with an Atlas 210-X. In 1979 we bought a new travel trailer and went off for seven months doing the RV'ing thing, using the Atlas and Hustler antenna.

The 80's found us migrating to Phoenix, Arizona, setting up with a Kenwood 180-S, and Dentron amp and tuner. The antenna was a Wilson System 36. In March of 1987, I took on the Directorship of Southwest Chapter, SOWP (Society Of Wireless Pioneers). The same year I was lucky to meet Leo Meyerson, WØGFQ, on the air never dreaming that it would be a lifelong friendship. I was an active member of the Arizona QCWA, Chapter 16, so it was suggested we hold an annual joint holiday luncheon meeting with QCWA and SW SOWP, which we did. And guess who was the first keynote speaker? Leo Meyerson, WØGFQ, who told us all about how he organized World Radio Labs and about his career in the Radio Business. It was wonderful and we continued to have a great time each December with speakers like

Barry Goldwater, K7UGA, Dave Bell, W6AQ, who produced the film, "World of Amateur Radio", Dick Baldwin, W1RU, past President of IARU, Lew McCoy, W1ICP, Technical Editor of CQ magazine, Fried Heyn, WA6WZO and many others too numerous to mention. This went on for eleven years through December 1998. And So, Amateur Radio has filled my life with many precious moments and memories. When I think of it, I feel very humble. It's a wonderful hobby and a way to perform a great service in disaster. I experienced this during the 1989 earthquake and Hurricane Andrew where I spent many hours acting as Net Control Station passing health and welfare traffic. I only hope other hams have as exciting time in Amateur Radio as I have.



Author Bill Jackson W6HDP pictured in his present ham station. It consists of a Kenwood TS-450S, Kenwood TS-570D, Ameritron AL-811H (amp) and using a Moseley PRO-67A antenna.

About the author: William T. Jackson served in World War II and received two battle stars in the Pacific with a Bronze arrowhead for beachhead landing. He received the Philippine Liberation Medal, Presidential unit citation for initial landing on Luzon and wore the Pre-Pearl Harbor American Defense Medal.



Bill Jackson W6HDP has seen many precious moments. From the left, he is standing with Leo Meyerson WØGFQ. In the center Bill looks on while Barry Goldwater receives his 60-year ARRL award from Fried Heyn WA6WZO - ARRL SW Director and Clem Chase W7JGU Past President of Chapter 16. On left, Bill is photographed with Dave Bell W6AQ.

Precious Moments in Amateur Radio

By Bill Jackson, W6HDP

When the idea occurred to me to write this article, so many incidents, places and revered acquaintances transcending six decades of Amateur Radio flooded my mind that I hardly knew where to begin.

I guess it all started on a day in November, 1947 when Herb Evans, W4LKT, now a silent key rang my doorbell in Ft. Lauderdale, Florida. Herb and his XYL, Shirley, W4KHJ, were there to pick up a beautiful blonde cocker spaniel that my wife Ann and I had reluctantly decided to part with because of the dog's jealous nature and possible danger to our newborn daughter, Vicki, only a few weeks old. After a get acquainted session, Herb spied my old S-40A Hallicrafters receiver sitting in one corner of the living room. Herb turned and looked at me and said, "Who's the ham in the family?" I laughed and replied, "Oh, we're not hams, I purchased the radio to keep up with my Morse code but while in the Signal Corps during the war I ran into several hams as an instructor at Camp Crowder, Missouri". Herb paused for awhile, grinned and said, "Well, we have to get you on the air". So, after a few sessions with my new Elmer and brushing up on my code, I hustled off to the Federal Building in Miami and took the exam. On January 30, 1948 I joined the ham ranks with the callsign W4NFD. I purchased my first rig; an old rack panel job, empty except for the top deck that contained a 813 amplifier. With Herb's gracious help, it wasn't long before the other decks sported a 2,000 volt supply, a modulator (pair of 81 l's in class B) and a buffer stage to drive the 813. Of course the amp and buffer used plug-in coils, normal at the time. The amp used link coupling to the antenna. Next came the antenna, a bamboo pole strung with 33 feet of #14 copper wire, mostly for operation on 20 meter CW. A ten-meter Workshop beam, purchased from World Radio Labs, came later. So, in a very short time I was burning up the ether

Remember, this was the late 40's and what a great time to become a ham. Not very many old timers will forget this awesome propagation cycle, ten meters was wide open to all parts of the world, as well as the other bands. And power presented no problem at all as most of the VK's, ZL's and Africans were using fancy antennas with only about 20 to 35 watts of power. Think of all that wasted power on AM and what it would have been like

on SSB. Can you believe making a DX contact and seeing the needle on the S-meter rest up against the pin listening to the S-9 plus signal and each time the operator on the other end paused, you could hear him breathe. Most latter day hams will give you a cynical look when told this, but as the old saying goes, "That's the way it was in the old days"

Moving down through the decades, more and greater precious memories in Amateur Ra-

dio were still to come, seemingly each one more exciting than the last. The 50's found me again in the Military, this time with the Naval Security Group recalled during the Korean War in 1951. After a six month cruise in the Mediterranean, I am back in Washington D.C. with duty at the National Security Agency living with my family at Bellevue Naval Housing. I'm using a Hammarlund Comet Pro that I horse traded another barn out of and a Stancor 110-C running 100 watts with a dipole antenna. The period 1952-54 was solely on 80 and 75 meters passing traffic on the Transcontinental nets and acting as NCS on the Maryland Emergency Phone Net with some participation in MARS, entirely new to me.

Transferring to the Philippines (Sangley Point) with my family after Navy School in San Diego in 1955 brought new and exciting challenges. Operation on the Ham bands was not allowed at that time, so MARS was the next best thing.

A Chief Petty Officer and ham was in process of setting up a base MARS station but was transferred to Collins Radio for training, so who should it fall on to complete this base station. Little old me. Meanwhile, eight BC-610 Army transmitters had been shipped out from Stockton, California, all refurbished. So, one went into my Navy quarters and after modifying three including mine for crystal operation on MARS frequencies 20.994 and 27.994 MHz, I finished up the base station. Many phone patches were run stateside for Navy fliers, compliments of K6AF at George AFB, California. Unfortunately, Sangley went back to the Filipinos so no base MARS operation, a waste of my precious time.

Operation as KA2WJ in Yokohama, Japan, my next duty station was truly exciting, especially being on the other end of the DX. Having my family also was a plus. Hamming was done mainly on weekends but many nice stateside contacts were made and many QSL's sent out to the States, hopefully contributing a new country.

Seems that Amateur Radio couldn't be better. Back in the Washington D.C. area in the late 50's, my station took on a different look - a Viking I and Heath DX-100 for transmitters with the old SX-28 receiver. I built my first cubical quad antenna, a 10-15 meter job using small bamboo for spreaders and #16 wire, matching with a stub. Worked really well since it was my first attempt at a quad and the weight was 12 lbs.

The 60's decade had some exciting and not so exciting times. In 1960, flying with my family to Nicosia, Cyprus via Germany, Switzerland and Greece, I immediately learned there would be no Ham radio. So we occupied ourselves with the enjoyable sights of the beautiful Island of Cyprus. It was the only time I was off the air as a ham. Arriving at Port Lyautey, Morocco, our next station, a ham license was issued, all in French, with the callsign



Operating as CN8GC with a Hammarlund HQ-110 (receiver) and a Knight T-150 (transmitter).



The first ham station (1948). Left to right: Hallicrafters SX28, S40A and not shown, a rack panel 813 rig.

Chapter 2, Chicago Area

The business portion of the meeting was called to order by President Jim Quinn, W9MFY at 6:30 PM

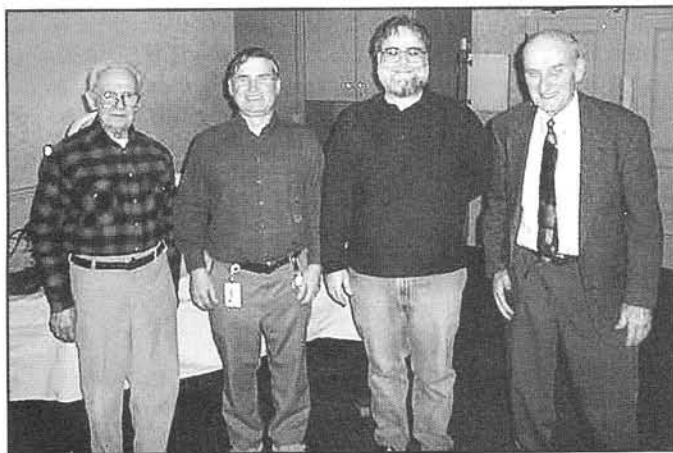
Jim Quinn presented the slate of officers for election: Directors: Ernest Czosek W9ULX, Ed Dervishian W9VSU, Lee Knirko W9MOL

The terms of the officers: President - Jim Quinn K9JQ, Vice-President - Paul Crum W9LC, Secretary - Gil Kowols W9BUB, Treasurer - Jim Quinn K9JQ expiring the end of 2000.

The nominations were opened for nominations from the floor. Being none, a unanimous vote to elect the slate presented was taken. Jim Quinn also announced that in 25 years there should be another Quinn in the QCWA. After 10 children, 21 grandchildren, and 4 great grandchildren, a grandson is a ham.

Jim Quinn reminded everyone to save the date for the Summer Brunch in July and explained the reason for the change. Lee Knirko asked for more news of members for the Newsletter. Gil Kowols reminded members that yearly dues were now payable. He circulated a list of who is not paid as a reminder. The meeting was closed.

Colletti's served their usual fine dinner. After dinner, Jim Quinn introduced Paul Crum who introduced the speaker for the evening: Mike Brost, WA9FTS. Mike and his friend Tom Geletka, N9CBA went to Hungry in August of 1999 for the total Eclipse of the sun. They



L to r. Paul Crum W9LC, Program Chairman, Mike Brost WA9FTS, Speaker, Tom Geletka N9CBA, Speaker and Jim Quinn K8JQ, President of the Chapter.

brought a GPS, computer printout of the exact line of totality (where the sun is totally eclipsed), cameras and digital video cameras and assorted accessories. He described the problems they had with the clouds covering their view and the fact that it was raining. They used GPS to navigate and drive about 20 miles away where the clouds were not covering the eclipse. They finally found a spot alongside a pasture where they were exactly under the total eclipse and had a good view with no cloud cover and no rain. Just in time. Mike also handed out a number of pages of background material for study. It was a very fascinating program. His

video of the complete eclipse was a sight many of us would never see otherwise and simultaneously projected the color slides that had detail you could study. After the program, there were numerous questions from the members and guests.

Gil Kowols W9BUB.

Chapter 5, Delaware Valley

The Delaware Valley Chapter 5 had a special event on March 10. Arrangements were made to visit the Sony Music Plant at Pitman, NJ and to see the process involved in manufacturing CDs. The Plant Manager happens to be a radio amateur, K1DZA, Stan Mimiroski, and one of the Chapter's members, K3UKW, Tony Musero, happened to be a good friend of Stan and made the arrangements for a group to visit the plant. The Sony Corporation was founded by two gentlemen and both of them were hams and they encourage all their



plants around the world to promote ham radio and consequently, there is a very nice ham radio station at the Pitman Plant to be used by the hams that work there. There are at present 10 that hold licenses there. Our visit started at 11:00 am and we were given a talk by their chief engineer telling us about how the information is put onto a disc and what that information's dimensions are and how the tracks are controlled. The process of making the metal master that is used in the injection machines is made from a mother disc that is composed of a special glass disc that had a photo sensitive emulsion placed on its surface and then the surface is exposed to the music information with a light beam as the disc is rotated. The surface is developed and the unexposed surface remains leaving pits where it had been exposed. Then the disc is electroplated with nickel and the nickel is then stripped off the mother disc and this disc is used in the injection molding machines. After the disc is molded, it is then processed further to protect the information from being altered by accident by adding two other layers. The Pitman Plant is one of 16 plants around the world that Sony has and this plant produces 680,000 discs per 24

Chapter Reports

hour period. The plant operates around the clock seven days a week. After the talk by the Chief Engineer, various questions were asked by those on the tour then a very nice buffet lunch was served in the very attractive cafeteria facility. Then the group was split up into smaller groups and each group had a guide that was one of the engineering staff or administrative staff. Everyone also visited the ham shack on the tour. There were 42 making the tour and it included 11 members of Chapter 138. Everyone thoroughly enjoyed the very informative tour and the great hospitality.

The next meeting of the Delaware Valley Chapter 5 will be on April 15th at the usual place, the Town & Country Restaurant in Bordentown, NJ. The speaker will be from the Public Service Electric & Gas Company and the topic will be on the supplier of energy choice that the residents of New Jersey must make. This has been a controversial subject to many people.

Chapter 5 has a home page on the Internet and it can be reached by the following address; <http://www.resuba.com/qcwa5>. Also a weekly net is conducted each Sunday morning on 3917 kHz at 9:45 am to 10:30 am. All members are encouraged to check in and anyone is welcome to join in.

Don Field W2UAE - Secretary

Chapter 10, Michigan

Spring has come, and members of the Chapter are looking forward to the Annual Meeting that will be held in Cadillac on May 6 after the Swap-Shop at the High School. We hope that many will be able to make it in person, but know some do not drive that far, or stay away overnight. We will miss those and be thinking of them.

The net has been picking up lately, and should have more check-ins as members who winter in the south land return to their northern homes. Mike, WB8ICN, has been doing a great job contacting members whom we have not heard on the air in sometime to see if they can start checking in again. Unfortunately, he has uncovered some silent keys we had not known about. Ray, K8AGO, of Lapeer became a silent key on December 19, 1999 according to his YF, and we extend our condolences to her. The Post Office reports that Pat, K8TSO, of Tustin is a silent key, but we have not been able to confirm a date for this, so far. Ed, W8IAC, of Indian River, and his YF Kitty moved into town for the winter and is reported to have become a silent key. I am trying to confirm this.

The Spring edition of the Journal announces that those attending the National QCWA Convention in Toronto in October will have the opportunity to tour the Hammond Museum of Radio. I urge anyone who is attending the Convention to take this tour. I also see that the Museum is open at the new location, and directions for finding it are on page 31. This is a place to spend at least half a day at any time of the year. Marion, W8VWY, and I visited at the old location about five years ago when Fred Hammond was still alive, and had a most enjoyable half day. It won't be the same with-

out Fred, but still a great place to go. You can't believe how much equipment he collected!

Beverley Stoner K8ZJU - Secretary

Chapter 12, Andy Clark

In December we held our annual meeting and Christmas party at the QTH of Art & Marion Rauch W4VZ/WB4RFB. Joe Poerschke WB4HIS was elected as our new President. Bud Frazier W4RNV was elected Vice-President and Art Rauch W4VZ was elected to another term as Secretary. Marion Rauch WB4RFB was elected to another term as Treasurer. We welcome two new members, Jim Dailing, WA4CSQ and David Weinstein K3FHP.

On February 4 at the Miami Hamboree, chapter member Bill Kennedy W2AS was presented his 80-year Anniversary Award by Croft Taylor VE3CT - QCWA Vice-President. Bill was first Licensed 2AS in 1920. He is 95 years young and you can find him daily on 20 meters from Sunrise Florida talking to his old buddies. Congratulations Bill.

Chapter 12 meets at noon the third Saturday of each month at Victoria Station at Miami International Airport. QCWA members and guests are always welcome.

Arthur Rauch W4VZ- Secretary

Chapter 14, San Diego

28 people that included members, spouses and guests attended The Chapter 14 Winter Brunch meeting on January 9, 2000. QCWA service awards were presented by president Pat Bunsold, WA6MHZ to three members: Laurence Harvey, N6LY 65 yrs service, John Higgins, NO6Z 50 yrs and Reuben Onstad, N6BAS 65 yrs.

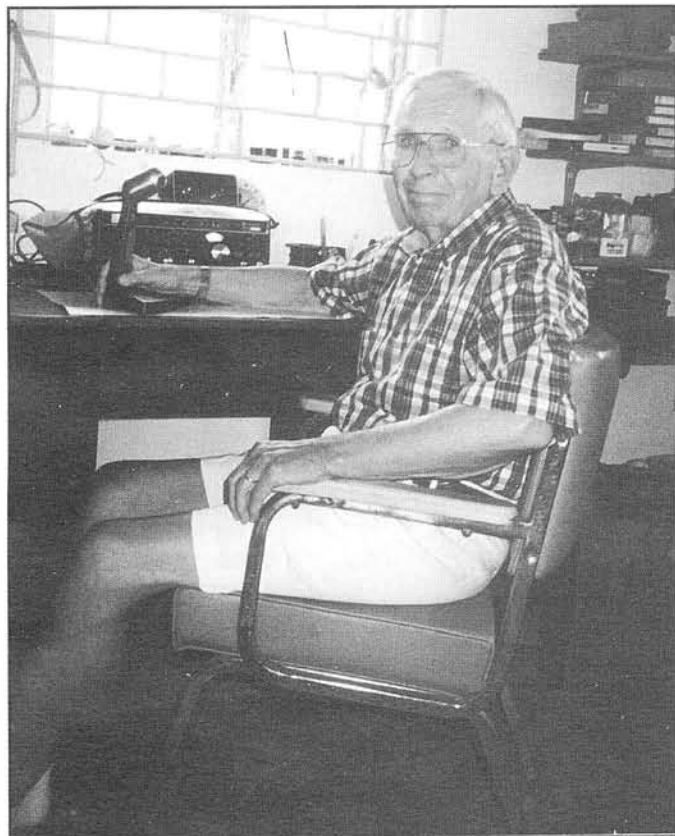


From left: Reuben Ohstad N6BAS - 65-year Certificate, John L. Higgins NO6Z - 50-year Certificate and Laurence Harvey N6LY - 65-year Certificate.

Congratulations to Meta Brazell, WA6BNS. She attained her 100th birthday on February 10th. To celebrate her 99th last year Meta took a three-week trip

to China. At our brunch in January Meta remarked that she would have to take a special trip this year to observe her 100th; perhaps visiting the pyramids in Egypt.

The San Diego Chapter 14 net had an international meeting in January of this year. Reuben Onstad, N6BAS, while vacationing with family at his brother's Jamaican villa and equipped with a ham station, con-



Reuben Onstad of Chapter 14 shown in ham shack of Jamaican villa operating as N6BAS/6Y5.

vened on 15 Meters with San Diego net members. Participating from San Diego were Jack Pletcher W6JIR, George Mitchell K6ZE, and Dave Guimont WB6LLO. Also contacted were Chapter members Ralph Held K6QS and Joe Saugier K6CD. Reuben's brother, owner of the villa, is WBØHQL of Minneapolis, Minnesota. The next meeting of Chapter 14 will be May 21, 2000 at MCRD Bayview.

Reuben Onstad N6BAS - Chapter Secretary

Chapter 16, Barry M. Goldwater

The Barry M. Goldwater, Chapter 16 QCWA luncheon meeting was held at Linda L's restaurant in Surprise, AZ on January 22, 2000. Before lunch was served the Riverboat Strummers, a banjo band led by Orrin Hale, entertained us. Bob Menefee AA7QJ did the vocals and played banjo. 50 members and guest enjoyed the old familiar music. President Tom Worthy W7YW led the introductions of all those present. Among

those present was Lew McCoy W1ICP former President of QCWA and Cliff Fay K7BQ who will receive his 80-year service award next year. Ken Hopper KD7KH gave the invocation and lunch was served.



Bill Jackson W6HDP (l) receiving Century Certificate from Tom Worthy W7YW.

After lunch Tom presented Bill Jackson W6HDP with his Century Club award. To be eligible for the award your age plus the number of years you have belonged to QCWA must total 100. Since the meeting two other members have received their awards: Anthony Cipolla W2QL and Walt Schwiebert W8EPO. If you feel you are eligible for the award contact the chapter secretary.

Prizes were drawn and the meeting ended at 2:00 PM.

Gerry Higgins W7ES - Sec./Treas.

Chapter 21, Canton, Ohio

The regular quarterly meeting of QCWA, Canton, Ohio Chapter 21 was held November 21, 1998, following luncheon at Das Dutch Kitchen, Dalton, Ohio. There were 32 members and guests present. The very important business of this annual meeting is the election of officers and directors. The election results are: President, Philip Gizzi W8IIV; Vice President, Nelson Caley W8EAR; Secretary Treasurer David Glass W8UKQ; Directors, Mel Vye W8MV, and David Polen W8FRB; Editor, Joseph Vignos W1FEZ; and Honorary Director, Edwin Clinger WA8DRT, past president. President Ed Clinger presented the president's gavel to president-elect Philip Gizzi, and golden spike awards to Nelson Caley and Joe Vignos for their dedication to the chapter. Also, he presented the Meritorious Award certificate to David Glass for his work as secretary. Mel Vye W8MV presented the program showing how he packs and transports a complete high frequency amateur station in a carry on bag. He has taken the station to Europe and to St. Pierre. He discussed his reciprocal licensing and DX experiences. Door prizes were awarded.

The regular quarterly meeting of QCWA, Chapter 21, Canton, Ohio was held February 19, 2000, following luncheon at the Hometown Buffet, Canton, Ohio

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There were 22 members and guests present. Attention was called to a donation to the scholarship fund in memory of Loren Beck W8LB, SK, and to the announcement that scholarships are available. Our member Kelly Heinbuch W8MO sponsored a student, Michelle Sciarini KB8ILX recently. President Gizzi presented service awards to David Polen W8FRB for his 50th anniversary of licensing and for 50 years of continuous



Phil Gizzi W8IIV presents David Polen W8FRB (r) certificates for 50 years continuous licensing and 50 years anniversary. Photo by Ed Clinger WA8DRT.

licensing. Also, David Glass W8UKQ was recognized for being voted Ham of the Year by the Alliance Amateur Radio Club. The program was by our member, Mel Vye W8MV. After retiring from Akron University he became involved with the cellular phone activities. He described a brief history up to current usage including modes and frequencies. He gave a hands-on demonstration for everyone and described some items that may be in our future. Members on the sick list are Charles Scott K8BYC, Roy Burckhart W8CZA, and Larry K8RMY and Hilda Schmader. Jack Fisher W8MZV is moving to San Antonio. Attention was called to the need to register for the Universal Licensing System, ULS, with references to QST for August and September 1999. A warning was given about the telephone scam asking the answerer to dial 90#. DON'T DO IT!! Denny Moriarty K8AGB was recognized for having his picture in the Journal, Winter Issue, page 16, as a member of a Laurel and Hardy impersonating team. Door prizes were awarded.

David Glass W8UKQ, Secretary

Chapter 29, Finger Lakes

Our last few monthly meetings have had light attendance, primarily because of the shuttling of the snow birds to the southern environs. However, spring is here, the weather in Syracuse is becoming warmer, and within a month or so most of our southern membership will be returning.

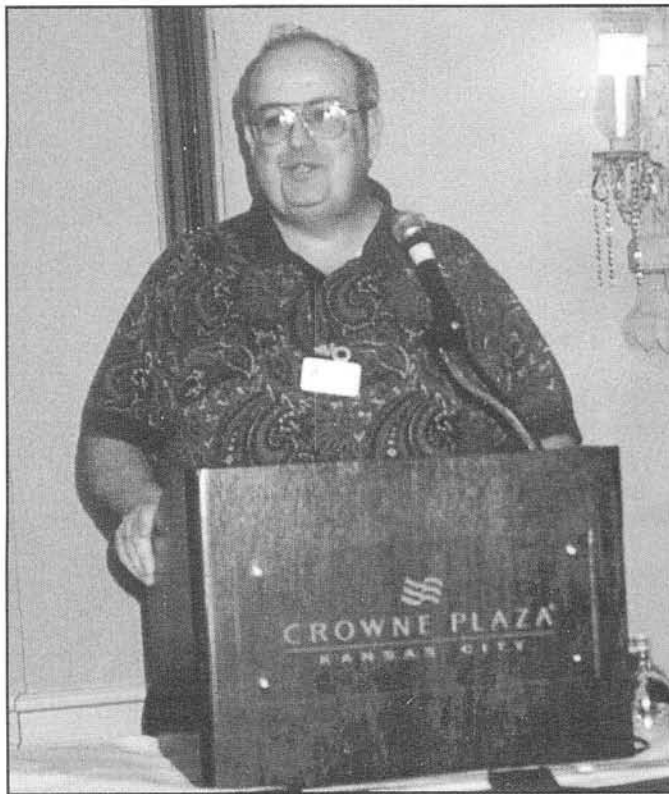
The first spring Hamfest has occurred at Newark, NY, and although it was small some of our members were in attendance. Noticeably missing was Ramsey Electronics, who has always been a featured vendor. His problems were described in the previous QCWA

Journal. We hope the matter can be quickly resolved and he can remain in business. It sounds like a very serious error on the part of authorities. A bit of good news from the chapter is that our past president and very active member is receiving a well deserved honor. Jim Mozley W2BCH, will be returning to St Louis MO. Where he will receive an award from his old alma mater, Washington University. He has been named for the year 2000 Academic Achievement award from the School of Engineering. Things seem to come in bunches for Jim. He was also elevated to Senior Member of the Radio Club of America, and received the Century Club award from the QCWA. Congratulations Jim from all the members of the chapter. A minor navigational correction is required for my previous Chapter report, Fran Thisse W2BJI and his wife Frisky sailed around Tahiti, not Haiti—my error

Edward J Gersten WB2MWW - Secretary/Treasurer

Chapter 35, Mid Continent

The QCWA Chapter 35 continues to meet informally on a weekly basis, and still averages 15 to 20 luncheon participants. The amazing statistic is that the faces change from one week to another and there is no scheduled program - but communication from one lunch to another ties it all together and members are updated.



QCWA President Gary Harrison KØBC addresses Greater Kansas City Chapter.

To put it another way: If you want to know whats going on - attend Thursday 1 PM lunch at Waids at 103 and State Line and you'll find out.

Our out of town guest this Spring has included GARY HARRISON KØBC, our QCWA president who, besides being most welcome, brings his own program of Questions - and he gets comments. Matter of fact he must like the luncheons, he's been here 3 times since Christmas!

Now that's a QCWA meeting worth talking about.

Keep Comin' Gary!

Cass Cassing WØGJG - Publicity

Chapter 41, Dallas

Chapter member Jim Haynie, W5JBP, of Dallas, Texas, is the new president of the ARRL. The ARRL Board of Directors elected him January 21. He was previously the ARRL West Gulf Division Director and becomes the League's 13th president.



Dallas Chapter 41 President Val Erwin W5PUT, presents a 50 Year Certificate to Lyn Ohlson, W5RYX, and a 60 Year Certificate to Luther Pully, W5JIZ.

Jim regards the FCC's recently announced restructuring plan "a positive thing" and states that his presidency will focus on the future of Amateur Radio. He has pledged to work to bring respect to Amateur Radio and to enhance its stature here and abroad.

Jim has been a ham for 27 years and an ARRL Board member for 12 years. He states that Amateur Radio is his "escape" from the world of industry and commerce. An Advanced class licensee, Haynie has been a manufacturer's representative in the metals business for 30 years and runs his own firm in Dallas. He chaired the ARRL Board Administration and Finance Committee in 1999.

Bob Olney N5NT - Recording Secretary

It's so crowded nobody goes there anymore.

-Yogi Berra

Chapter 45, Citrus

February is the month for our local HamCation in Orlando. This event has been growing yearly and attracting more and more exhibitors. Chapter 45 had a table and welcomed many out of state and local members of QCWA. In addition to members of the Chapter that manned the table for the two days, John Edel K8LBZ and Wes W4COW and Blanche W4GXZ Randles worked with our members in informing visitors of QCWA. A half dozen applications for National membership were gathered and sent to HQ.

Croft Taylor, VE3CT, Vice President of QCWA visited the Chapter's March luncheon meeting along with Art Kunst, W3WM. Croft spoke for a few minutes on the actions of the National Board and urged all members to be active in the upcoming elections.

The Chapter presented a 60-year certificate to Harry Yust, W3GU. Harry is a new member of the Chapter and we were proud to be able to recognize his long service as an amateur. Frederick Thurstone, W4UXI was not present to receive his 50 year certificate which will be awarded at a later date.

Citrus Chapter meets on the third Wednesday of every month for luncheon at the Picadilly Cafeteria, 1840 E. Colonial Drive in Orlando. We start to gather at about 11:30AM. If you are in the neighborhood and would like to enjoy our warm fellowship, drop in. For information about the Chapter activities join our net, on the Chapter's repeater, W4PLA, 147.195 MHz at 1930 hours local time each Tuesday.

Paul A. Turner W1DLP - Secretary

Chapter 48, Treasure Coast

23 members and friends of the Treasure Coast Chapter 48, QCWA were spotted at sea on the Sterling Cruise Line ship, "Lady Luck" which was a misnomer. Gambling was the main attraction and all were participating - no big winners, but lots of fun. We met at 8AM in Vero Beach for a bus ride to Cape Canaveral, went to sea and arrived back in Vero around 6PM. All



Members of QCWA Chapter 48 spotted cruising - Left to right: Josie, XYL of Herb WA9KWV (SK), Joyce K4EER, Bill W3DHN and Woody K4EBK.

Chapter Reports

had a good time. One of the main reasons for going on the cruise that day was the scheduled launch of the space shuttle Endeavor, but it was not to be because of fog and wind. For us, cold weather intervened. Monitoring the 146.940 MHz repeater in Titusville which carries all the Space Center communications, was very interesting right up to the mission scrub at T minus 9 minutes.

The next QCWA affair is expected to be German Night in Sebastian the first Tuesday in May.

Chapter 48 had the honor of presenting Pearce Chauncey KD4YP (ex W2AOX) an award for being licensed for 75 years. All enjoyed presentation of the 75-year award and a cake at our Thursday luncheon. See the article elsewhere in this issue.

k4ebk@juno.com, 561-388-0255

Chapter 49, Peach State

Our Spring meeting was held on March 4 at Ryan's Steak House in Norcross. President Mike Swiderski K4HBI, called the meeting to order at 1PM and welcomed all. Present were 8 members, 5 "Friends", one spouse and 3 guests after round-robin introductions. Greeting cards signed by all the meeting attendees were sent to 6 members not at the meeting chosen by drawing. Frankie W4BJT designed and printed the nice cards. Wayne's granddaughter Sarah Bosnak again pulled the door prize drawing ticket. A copy of the new ARRL Antenna Compendium 6 was won by John Kludt N9ENG. The next meeting is scheduled for June 17, which is to be a covered dish picnic at Mary Whatley's QTH in Snellville where the program will be a member show and tell, and hamfest style sell or swap tailgating will be encouraged.

The President's report included mention of the new Chapter 49 club call sign, KG4GBD which was issued in January. Mike also passed along to the group that our Chaplain had resigned and asked for volunteers for the position. VP and Net Manager Wayne W9BKJ has been appointed an ARRL NTS Net Manager by SM Sandy Donahue W4RU. Wayne reported that both nets have had good participation lately. Sec/Treas Bob K4SZ reported that the electronic edition of the newsletter has been very well received and will save the chapter printing and postage costs in the future. Many members even said they preferred the e-mail edition over the paper one. Thanks to all participating. President Mike Swiderski K4HBI presented an ARRL 50 year membership plaque to VP Wayne Flickinger W9BKJ for ARRL SM Sandy Donahue W4RU.

Mike introduced our guest speaker Ned Mountain WC4X who told us about his adventures in bicycle mobile operating. Ned brought his bike, radios and antenna to show. He had used Mizuho 2W HF handhelds, but has recently changed over to a new 10W Elecraft K2 which he showed us inside and out. He uses a mobile antenna modified "outbacker" style for multi-band use along with gel-cell batteries. Ned is a member of Bicycle Mobile Hams of America and has worked 42 states and 25 countries including a bicycle-bicycle QSO

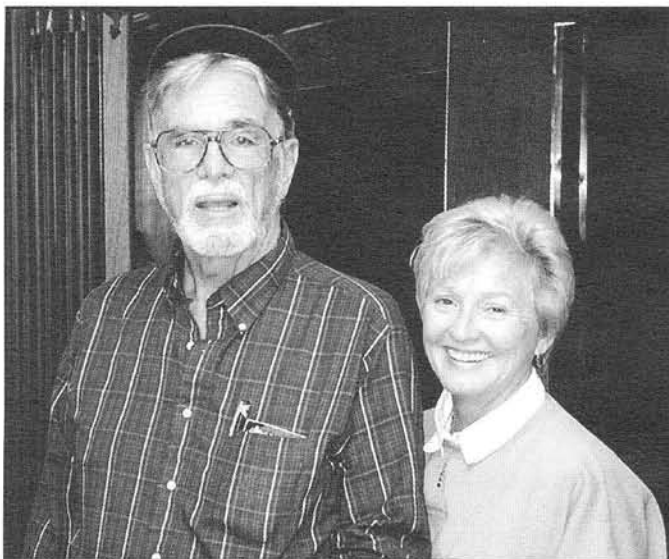
in his own travels. A very interesting program. Our thanks to Ned.

Bob Lear K4SZ - Secretary/Treasurer
k4sz@arrrl.net

Chapter 51, Tex-La Golden Triangle

Our first two meetings of the twenty-first century were held at Dorothy's Front Porch Seafood Restaurant. At the January meeting Secretary Dee Dikes, WA5BEU, reminded us that this was the 9th anniversary of our reorganization and reported that during the past year we had 29 members, no silent keys and one new member. The program was presented by President Bill Prechtel, W3KO, who discussed the history of the Morse code, tracing its roots from the early days of railroad signaling to the present day International Morse.

At our February meeting we were pleased to have Bob(W5TFY)and Judy(KB5IMY)Bailey back with us. Last spring they sailed their boat, Pooh Bear, to Europe. They flew back to attend to personal matters. Anyone who would like to read about their adventures can browse their journals at www.setx.com/qcwa51. They plan to spend another couple of years traveling around Europe.



L to R: Bob Bailey (W5TFY) and his wife Judy Bailey(KB5IMY) who sailed their vessel PoohBear to Europe and maintained contact with their home chapter. Browse their travel at www.setx.com/qcwa51

John Eric Lindell, W5YCY, who described his recent trip to Egypt, presented the February program.

Our March meeting, held in conjunction with the Orange Hamfest, was at Tuffy's Restaurant in Mauriceville. Bill Prechtel talked about PSK31, a new digital mode that can be operated with only an HF rig, computer with a SoundBlaster card and free software. The mode is easy to tune, works well with low power, supports roundtable operation and is rapidly challenging other digital modes on HF.

Dub George W5DUB - Bulletin Editor/Webmaster

Chapter 53, Suncoast

We have been averaging about 30 QCWA members and guests at our monthly luncheon meetings. While the menu selections remain excellent, but unchanged, our programs have offered a broad spectrum of interest. At the January meeting, Suncoast Chapter Director John Fyke VE6AIV, gave a slide presentation of his experiences when he assisted in sailing a multi-million dollar private yacht from Los Angeles to Ft. Lauderdale via the Panama Canal. During that voyage, John had remained in daily contact with his South Florida friends via 20 meters.

In February, Hans Napfel WA2ZZB, provided an enlightening and entertaining discussion on "Communications Over the Years". One feature of that presentation was for us to see first hand how solid state components have shrunk in size but expanded in capacity over the years. Not to be outdone, Hans even provided his own computerized cheering section!

Threats to our home and personal security are subjects we don't always like to think about, but which we must face every day. Tom Tomlinson, a representative of Florida Metro Crime Prevention, gave us facts and figures on domestic crime at our March luncheon meeting. Fortunately, Tom also provided us with many good practical suggestions and demonstrated a variety of items that are available to increase our safety and security.

Suncoast Chapter has also been making its presence known at the South Florida hamfests. In January, Chapter members Frank Schwab W8OK, Bob Siff K4AMG, Ed Cronk W9ATV, and Jack Sproat W4JS, manned the Chapter's table at the Sarasota Hamfest. In February, QCWA Vice-President Croft Taylor VE3CT, and Jack W4JS, manned the QCWA Headquarters Booth at the Miami Tropical Hamboree. In March, Croft VE3CT, Jim Halliday NX2II, and Jack W4JS, were to be found at the Chapter's table at HamCom 2000, sponsored by the Englewood ARS.



Showing the banner for Suncoast Chapter at the Englewood HamCom 2000, left to right: QCWA Vice President Croft Taylor - VE3CT, Chapter President Jack Sproat - W4JS, and visitor Ken Truran - KC8BI.

Remember that the Suncoast Chapter has a luncheon meeting the first Thursday of each month - October through May - at Denny's, 3701 Bee Ridge Road, Sarasota. "Snow Birds" and all wandering QCWA members are always welcome!

Jack Sproat W4JS - President

Chapter 63, Central Oklahoma

Well, we all most have made it through the first quarter without too much going on. We did get through the quarter without a Silent Key, which is very good. Our winter wasn't all that hard, and everyone is looking forward to spring weather.

On a personal note, my lovely wife Jo Ann and I celebrated our 50th Anniversary on the 4th of March 2000. Our children and grandchildren were all home from out-of-state. The most often question asked to Jo was "how did you put up with him so many years". The most often comment to me was "boy, were you ever lucky to get a girl like her". Ha. That I have been aware of for many, many years. We did have a wonderful time at the party that was given for us by our family and our friends.

Gene Nailon, K5DLE, our Chapter long time Net Manager and Historian received a notice that he ought to think about slowing down just a little bit. He entered the hospital the 3rd of March with some chest pains. To make a long story short, before he could say "just wait a minute", he had four heart by-passes done. This took place on the 8th of March. He was discharged on the 11th of March from the hospital. After spending a week at his lovely daughter's (Delanna) house, which by some miracle, she, his granddaughter, and Gene survived. I visited with Gene at his home after he had gone home and he seemed to be doing very good. He hopes to get back to work before too long. We all in the Chapter wish him well and a speedy recovery.

We have had two new members join our Chapter since the last newsletter and they are: Herbert Tudor—K5OIP. Herb was first licensed in 1957, holds a General Class License, joined the Chapter in February 2000 and lives in Arcadia, OK. Bill Noland—WA5FWD joined the Chapter in February also. Bill was first licensed in 1962 and has a T-Plus license. He lives with his XYL in Yukon, OK. Happy to have both as members of our Chapter. This brings our membership up to 138.

Again, we are having a good turnout for our two nets. On Sunday morning on our 0800 (local time) our QCWA net on 3855 LSB, we are averaging 45 check-ins. On our 2 meter net on 145.41 repeater (VHF & QCWA) on Thursday night at 1900 hours we have been averaging 25 check-ins.

We have started to have some trivial questions on the Thursday night net. It has created some interest and fun on the net. So if any of you can come up with questions, please feel free to present them and then give the answers at the end of the net.

Norm Wilson W5FLO

Chapter Reports

Chapter 64, El Paso

The January meeting of the El Paso QCWA Chapter 64 was held on a beautiful 72-degree day, making all of us thankful to be living in this great city.

We welcomed a new member, Bob Reed, WA2ZOU, who is a Master Sergeant stationed in El Paso. Bob just recently became QCWA eligible and we are happy to have him join our group -

Two resignations were accepted and replacements named. New directors Bob Rogers K5HRI, and Judy Scheiderer WB5HGL, will take over the duties of Milly Wise W5OVH, and Earl Wood WA5YRP. Our thanks to Milly and Earl for their years of service.



Chapter 64 Officers for 2000 - front row from left: Manny Gonzalez W2BFI - Secretary-Treasurer, Jean Carlson KØZRD - President, C.W. Hiatt N5HRD - Vice President. Back row from left: Directors Greer Craig K5VQN, Earl Wood WA5YRP, Bob Rogers K5HRI and Bob Smith K5VRF.

Our chapter was well represented at the annual Worked-All-El Paso awards banquet. Jean Carlson, KØZRD, won the top trophy. Jack Scheiderer, W5JHS, received the 3rd place plaque and the QCWA high point plaque. Six "Worked All Turkey" awards, a questionable but fun honor, were presented and five of them went to our members: Jack Scheiderer, W5JHS; Bob Smith, K5VRF; Ralph Carlson, KØZRC; C.W. Hiatt, N5HRD; and Manny Gonzalez, W2BFI. That's a lot of turkeys for one club!!! Bill Rodgers, K5WAE, (formerly K5TLU) who is our QCWA historian, has also done an outstanding job of managing the WAE contest for many years. We all appreciate it, Bill. WAE certificates are earned by working 15 El Paso stations. Local stations are on the air every Sunday morning at 1600 GMT on 28440, as well as the first weekend in November for our contest weekend.

We were all saddened by the death on February 22, of a faithful member, Joe Oberndorfer, KK5JX.

Many of us attended his military funeral at Fort Bliss National Cemetery. Our sympathy goes to Connie and their children.

It was good to get a report from Vasco Rhoden, W5NPI, who has moved to Largo, Florida. We miss you, Vasco.

Several of our members are active in planning the next Hamfiesta in El Paso. It will be held October 28 and 29 at the Ysletta Cultural Arts Center, as it has been for the past 2 years.

Jean Carlson KØZRD - President

Chapter 65, Niagara Frontier

Welcome Norm Jones KD2KK to QCWA and our Chapter! He was a crypto man in the AACS during World War 2. His first call was WN2YIF. One of his former employers was Williams & Co.



Chapter 65 President Bob Rooney W2AET.

Welcome also to Eugene Savelli W6QFU to our Chapter! Gene hails from Modesto, California.

Ken K2FJ received his "50 years Continually Licensed" award. His first call was W2TMI (too many icicles).

Tom W2QI at the Greater Buffalo Hamfest manned a QCWA Chapter 65 booth on February 27th.

Join us at the Flying Tigers for our great luncheon the 2nd Saturday of each month at noon.

Ken Palmer K2FJ - Secretary

Chapter 67, Austin

We wish to report a great loss to QCWA Chapter 67.

Many of you may not be aware of this. Actually for many years, Mildred Donnel Clopton has been printing the QCWA THUNDERBOLT at her place of business - sanctioned by her boss as a "public service".

Your editor dropped it off as per habit last week. That evening I received a phone call from Mildred's grandson saying that "Grandma is in the hospital and can't do the printing this time."

This morning I learned that we lost Mildred. I would like to respectfully request as many of our Chapter as possible to be in attendance in her honor and in support of her family.

Chapter 67 has had no better friend or supporter than Mildred. Although not a member but the wife of two QCWA members (deceased before her), she has remained loyal and supportive of our Chapter all these years. Julius Donnel (K5VQG), her first husband was a member of our Chapter then she married Gerald Clopton (WA5PAC) also a member. So, she was the "XYL" of a QCWA ham all the way!

Mildred, Bon Voyage, dear lady. We'll see you on the other side.

Hal Henegar

Chapter 70, National Capital

The winter in Ottawa this year was generally quite mild, but a warm shack and active bands were very inviting to local amateurs. With the current solar cycle predicted to peak this summer, area amateurs have been very active on the bands, chasing DX for some of the new Millennium awards. With spring in the offing, sunspots peaking and new DXCC countries appearing, some Chapter 70 members wanting to compete for the new awards, have been planning antenna parties to repair winter damage and to get up antennas that for various reasons did not quite get raised before the onset of winter. We are all looking forward to the warmer



QCWA Director George Roach VE3BNO (c) presented 40-year pin to Mike Rowlands VA3MR (l) and 35-year pin to George Collins VE3FJO (r).

weather of spring and summer.

And with all these proposed contacts, what about QSL cards? How do they find their way to you? How does your QSL bureau locate the proper recipient? In Canada, RAC (Radio Amateurs of Canada), our member society of IARU who operates a worldwide system of QSL Bureaus, tends this country's Bureau for QSL cards.

The Loyalist City ARC in Saint John, NB is the first destination for incoming cards to Canada for all Canadian amateurs. When sorted and forwarded according to province, these cards find themselves in Halifax for VE1 or VEO, in Trois-Rivieres for VE2, in Toronto for VE3, Winnipeg for VE4, Tisdale in Saskatchewan for VE5, Sherwood Park in Alberta for VE6, Delta BC for VE7, Yellowknife NT for VE8 and VYO, Moncton NB for VE9 and W2, St. John's NF for VO, and Whitehorse VT for WI cards. Once distributed to those points, further sorting and mailing is done by volunteers of these Provincial Bureaus and by the use of envelopes, credits, labels, or a combination of all three, your incoming cards are directed on their way to you!

Chapter 70 member, Nenad Stevanovic, VE3EXY, is manager of the RAC outgoing QSL Bureau located in the nation's capital, Ottawa. It is a free service to Canadian resident RAC members. Some countries, however, do not have an incoming bureau. Cards cannot be forwarded to the following prefixes: A5, A6, J5, KHI, KH5, KH7K, KH8, KH9, KPI, KP5, P5, S7, T2, T3, T5, T8, TJ, TL, TN, TT, TY, V6, XU, XW, XZ, YA, YT4, IZ, YU4, VZ4, 4N4, 4W, 3C, 3C0, 3W, 3X, 5T, 5U, 70, 7Q, 8Q, 9N, 9Q, 9U and 9X. Cards for non-bureau prefixes can be forwarded to a QSL Manager who is located in a country with an incoming bureau.

What will the future bring? Given the ever-increasing cost of postage, Nenad speculated that we may soon be exchanging QSL cards via electronic means. Computers could bring about many changes in QSLing!

On another topic, the lovely colours of autumn will see the QCWA International Convention being held in Toronto this year. See you in there?

Joan Powell - Secretary/Treasurer

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Toronto 2000 National Convention

October 13 – 15, 2000

Celebrating Radio's First Century

Hosted by Southern Ontario Chapter 73

THE PROGRAMS

- The "Golden Kilowatt" Gerry King VE3GK will be talking on rotating telescoping towers and other Antenna "stuff"
- An AMSAT forum will be presented by Executive Vice-President of AMSAT Robin Haighton VE3FRH
- IARU President **Larry Price, W4RA** will share the latest developments arising out of the World Radio Conference WRC 2000 held in Turkey
- **Digital Radio** is here. See how it works and sounds as several Toronto stations are now on the air.
- New digital formats that require no extra hardware are here. Just a PC and your radio. Learn what and how to get on these new exciting modes.
- **Microphones** from our past. Bill Graham VE3ETK will walk you through yesteryear with live microphones and an audiovisual display.
- Broadcasting from the CN Tower. How one antenna is used with many high-power stations by Paul Edgley VE3PQ
- World famous **marine weather forecaster** Herb Hilgenberg VE3LML will share some of his experiences. Even the Coast-Guard and Navy trust Herb over official reports
- A topical speaker on how the changing North America Regulations will affect the future of Amateur Radio.
- Chapter 73 President Earl Mann VE3EHM will show that serious Home Brewin is not a lost art.
- QCWA directors host an **Open QCWA Forum** with the membership.
- An **APRS** forum will present an overview of the new use for packet radio.

Watch our web site updates
www.kwarc.org/qcwa2000/

HOTEL RATES

Rates for the **Delta Toronto Airport Hotel** have been set at \$115 Canadian. As of press time this was about US\$80.00. Free Shuttle Bus service between the airport and the hotel.

BANQUET

There will be a choice of Beef or Chicken for the Saturday evening banquet. Your preference to be stated on your registration form.

CURRENCY EXCHANGES

US currency is generally accepted at most locations however the rate of exchange will not be as attractive as you would receive at the bank. As of press time, each US dollar would purchase \$1.47 Canadian.

TALK-IN

2 Metre talk-in will be available during most drive times on the 146.985-.385 VE3SKY repeater. Listen for VA3QCW.

BORDER CROSSING INFO

US Citizens "may" be asked for proof of citizenship and therefore may require one of the following:

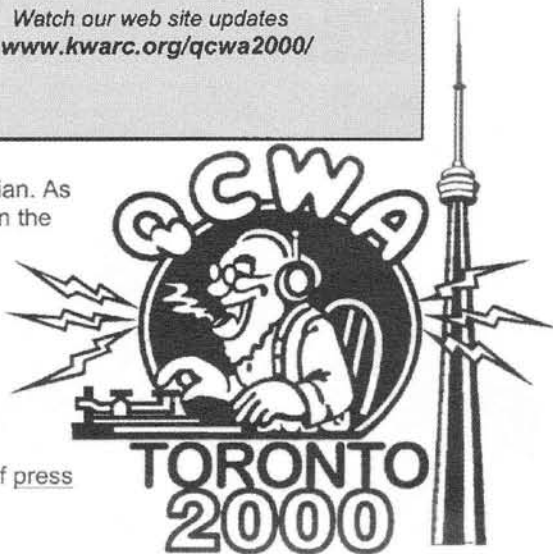
- valid US passport
- valid voter's registration card and photo ID
- a US birth certificate and photo ID.

For non-US citizens, a valid passport is a must along with a valid Visitor's Visa obtainable from the nearest Canadian consulate or embassy outside of Canada if they are from countries from which the Canadian government requires such a visa.

Handguns are strictly prohibited in Canada.

SPECIAL EVENT STATIONS

Listen for the Chapter 73 call **VA3QCW** throughout the year and **W2MM/VE3** during the QCWA QSO party Sept. 16-17.



CONVENTION HOTEL

The **DELTA Toronto Airport Hotel** will be the location for this year's National Convention and will provide us a comfortable environment for business and pleasure.

The Airport Delta is located just 5 minutes east of Pearson International Airport, adjacent to an 18 hole golf course, close to shopping malls, dining, other major attractions, and just 20 minutes from downtown Toronto.

Book your rooms early directly with the hotel:

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Tel: (800) 668-1444
Fax: (416) 675-4022

To get the preferred rate of \$115 (Canadian), **be sure to mention you are with the QUARTER CENTURY WIRELESS ASSOCIATION**

Their web site is at www.deltahotels.com.

TOURS

Friday 10am to 5pm: A trip to Niagara Falls to tour one of the Seven Wonders of the World.

Saturday 1pm to 5pm: Tour of Toronto and a worms eye view of the world's highest freestanding structure. CN Tower

Sunday 9am to 4pm: A tour of the **NEW Hammond Museum of Radio**. Lunch at the Plainsman, home of our chapter meetings and then on to the Canadian Warplane Heritage Museum at Mount Hope (Hamilton) Airport.

REGISTRATION

We are now accepting registration by mail. To register, complete the following form or if you do not wish to mutilate your Journal you can print a registration form at our web site www.kwarc.org/qcwa2000/

The fee structure outlined below covers all refreshments at the morning and afternoon forums and the Friday Night "eye-ball" hospitality suite with a *cash-bar*. Funds for tours will be collected during the on-site registration. Please indicate your plans for any of the optional tours.

Toronto 2000 QCWA National Convention, October 13 – 15th Toronto, Ontario, Canada

Name: _____ Call: _____ QCWA # _____

Spouse/Guest : _____ Call: _____ QCWA # _____

Address: _____

City: _____ State/Prov: _____ Zip/Post Code: _____

E-Mail address: _____

EVENT	Qty	Cost Each	Enclosed
Member registration		US\$17.50 / CA\$25.00	
Non-member Spouse/Guest		FREE	
Banquet: Chicken		US\$31.00 / CA\$44.00	
Banquet: Beef		US\$31.00 / CA\$44.00	
I wish to take following tours			
Friday: Niagara Falls		US\$25.00 CA\$35	
Saturday: Toronto City tour		US\$15.00 CA\$25	
Sunday: Hammond Museum of Radio and Warplane Museum		US\$42.00 CA\$60	
Please reserve me a \$5.00 Convention 2000 Pin for pick-up at the door. (Check Box)		TOTAL ENCLOSED	

Mail cheques payable to **QCWA 2000**: 2129 Larabee Court, Burlington, Ontario L7P-3S3 Canada.

Convention Questions to the Chairman:

Earl Mann VE3EHM, 44 Hawkedon Cr, Etobicoke, ON,
M9W 3L7 or ve3ehm@rac.ca

Registration questions to:

Norm Freidin VE3CZI, 2129 Larabee Court, Burlington, ON,
L7P 3S3 or ve3czi@rac.ca

For late breaking information watch our web site at www.kwarc.org/qcwa2000/

When Y2K comes,
local amateur radio
operators won't be just

HAMMING IT UP

BY KAREN ROUSE
Star-Telegram Staff Writer

FORT WORTH — Friends know Ullis and Jan Hair as a couple of easygoing, civic-minded retirees.

But tonight, as the clock ticks toward Jan. 1, 2000, the pair of amateur radio operators will be known by their call signs: W5WKH and K5EGB.

And should a Y2K-related disaster trigger a shutdown of all electrically powered communication systems in Tarrant County, the Hairs are among an estimated 200 radio operators who could serve as the crucial link between residents and officials who provide police, fire, ambulance, water and electrical services.

"That's why we got into amateur radio, so we can help other people," said Jan Hair, 69.

If the city loses power, ham operators will be the only people who can communicate among various emergency agencies, said Lamar Pounds, a 15-year ham radio operator who is coordinating the team of volunteers this weekend.

"We can set [a radio] up out in the street with the help of a car battery," said Pounds, 75.

(More on RADIO on Page 5B)

PREPARING FOR THE YEAR 2000



Star-Telegram/RODGER MALLISON

Amateur radio operators Ullis Hair and his wife, Jan, will be among nearly 200 operators standing by to provide Y2K communications.

The Fort Worth Star Telegram featured Chapter 62 Secretary/Treasurer Ullis Hair W5WKH and his wife Jan K5EGB in an article about Year 2000 Amateur Radio Preparedness for a potential crisis.



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Wireless - Amateur,
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Chapter 72, Fort Worth

The availability of Radio Amateurs to provide communications to the public during the possible Y2K Emergency was emphasized by a picture and article in the Fort Worth Star Telegram newspaper. It is interesting to see how many Chapter 72 QCWA members that were actively participating in this serious NEW YEAR'S EVE event. Our RACES Liaison Officer Lamar Pounds was very instrumental in the successful evening's operation and NET control on 146.94 MHz. Members with assignments to the fire police, sheriff, ambulance, alarm centers, fire stations, city hospitals, and many nursing homes, were Paul Brewer N5HRV, Doyle Collup W5FJV, Jan Hair K5EGB, Ullis Hair W5WKH, William Hites K5DRE, Alan McClellan W5FOA, Keith Pugh W5IU, Max Shelper K5BTZ, Neta Williams K5BLP, Walt Williams W5YOU. Many other hams helped to make the evening uneventful and a real answer to prayer.

Ullis Hair W5WKH - Secretary/Treasurer

Chapter 79, Sunflower

The February meeting of QCWA Chapter 79 was held at MORRIS' RESTAURANT, 1014 N. West Street. President Randy Woelk WØDSY called the meeting to order at 6:39 PM.

The minutes of the December meeting, and the treasurer's report were read, and approved by the members.

The January 29, 2000 letter from Leland Smith, W5KL, concerning the QCWA Foundation for Amateur Radio Scholarship Fund, and the scholarships that are available to college students who are licensed amateur radio operators.

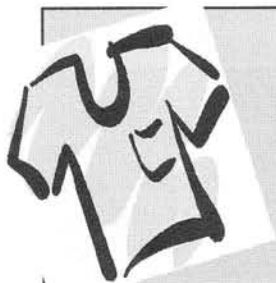
No further business was brought up by the members, or officers, for our attention at this meeting. The business meeting was adjourned for dinner.



Chapter 79 Year 2000 Officers. Left to right: W0LZB - PR Director, WA0AIC - Vice President, W0DSY - President and K0LM - Secretary/Treasurer.

Our guest speaker this meeting, Bobby Wilson, was introduced and given the floor. We had all watched him put together some kites, with great interest, as we visited before the dinner and meeting started. Bobby delivered to the members, in a very interesting way, a lot of information concerning modern kites and techniques used in flying them. Many questions and comments were generated among the members, and we all felt a little younger by the time Bobby was finished. Thank you Mr. Wilson.

The meeting was closed for a time of fellowship, at 8:10 P.M. Attendance at this meeting was 19. QCWA Sunflower Chapter 79 meets the last Tuesday of each even month, 6:30 P.M. at Morris' Restaurant, 1014 N. West Street, Wichita, Kansas. Good food and fellowship are our main thing, as well as having interesting speakers, from our ranks and from our diverse area. We have recently had speakers on —railroad engineer,



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QCWA
Golf or T-shirts

Order from QCWA Headquarters

battery/telephone expert / modern kite flying — to name a few subjects. Our guest speakers are great people, and we usually have lively question and discussion periods. Talking about kite flying got us older guys in the group, feeling a bit younger, by the time it was over.

We have several members who have been in Ham Radio longer than I have been at all, and I am not any spring chicken. Therefore we have members that can tell a mean story about "way back when". We also have the experience to help each other solve problems of the radio variety, as well as advise on other things of life. The younger members keep us active, and SPARKS flying. Some have antenna farms on cars, some have antenna farms on farms, some have antenna farms in a flower bed, but we all love ham radio till the cows come home.

We have an on air meeting Wednesday night at 9:00 P. M. (local), 146.82 machine.

If you are in our area, join us on air, at the meeting, or by phone.

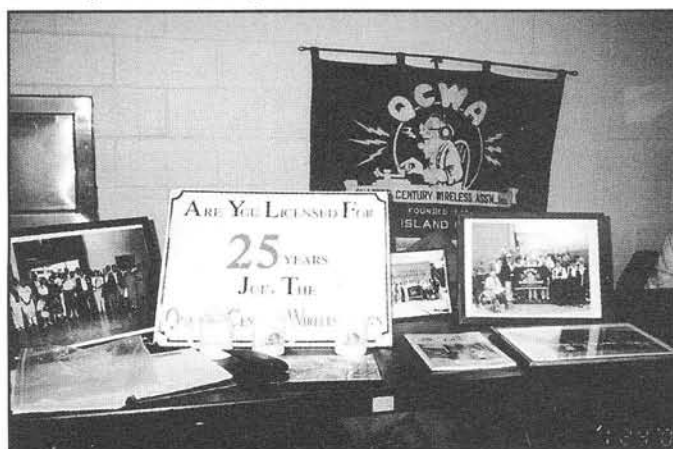
Say! We sound like a good ol' QCWA chapter.

Lloyd McCombs, K0LM - Secretary/Treasurer

Chapter 81, Long Island

With the coming of a new year, our members are excited about our upcoming 25th anniversary of the Long Island Chapter. Who would believe that 25 years has gone by? We are planning to have our anniversary meeting at the prestigious Milleridge Inn here on Long Island. A special guest speaker is planned for this meeting.

In January 2000 our chapter took part in an event called Ham Radio University 2000 (HRU-2000). This was a day of rejuvenation of the amateur radio spirit on Long Island. It offered seminars for experienced as well as newcomers into our hobby. Hams participate in each future yearly HRU event. We increased our membership with our exposure at this event.



Chapter 81 table at the Ham Radio University 2000 held in January on Long Island.

We regret to report the passing of Dave Winter W2AUF who was one of our charter and founding members of Chapter 81.

Dan Manfre WA2NDP - Secretary

Chapter Reports

Chapter 91, Vic Clark

January Meeting

Sixteen members and two guests gathered for our "Annual Meeting." Newly elected President Lew Bradley, W4SWP, introduced the other new officers, Secretary Dick Rucker, KM4ML, and Treasurer Nelson Seese, W4BHD. Vice President Johnny Johnson, W4BE, was out of town. Thanks for serving, fellows!

DARPA's Micro Air Vehicle Program

The program truly was exciting stuff! Our speaker was Sam Wilson, the program manager for the Micro Air Vehicle (MAV) program within the Defense Advanced Research Projects Agency (DARPA). The MAV program's goal is to develop small flying machines not more than six inches in any dimension that can fly autonomously for up to two hours to gather visual surveillance data at low altitudes. These remotely controlled craft carry, among other things, a GPS receiver, an altimeter, and a color TV camera.

Sam showed several flyable prototypes, including a fixed-wing, four-engine, propeller-driven craft. Each turbine engine is about the diameter of your little finger and is powered by a high-energy-density, non-rechargeable, lithium cell.

We saw so much more-I wish we had space to describe it all and I bet you do, too!! Science fiction? April Fool? Nope! Just excellent engineering.

Contribution to the Scholarship Fund

Chapter 91 contributed \$200 to QCWA's Memorial Scholarship Fund. Also, an anonymous chapter member contributed an additional \$400. Chapter 91 gives its sincere thanks to this long-time supporter of QCWA and Amateur radio who continues to go "above and beyond" in so many ways. By these contributions, we are honoring members of Chapter 91 who became Silent Keys during 1998 or 1999:

J. Bradley Flippin, K6HPR #28003 09-Oct-98

Kenneth L. Joseph, W4SIG #07526 20-Jan-99

Robert Arrowsmith, K4JN #16947 27-Jul-99

73, gentlemen, and thanks for being with us.

Leona Hudgins, W4NTA, SK

We also are sad to report that member Leona Hudgins, W4NTA, died February 13, 2000. Leona and her late husband Bill, W4YY, were long-time faithful supporters of Chapter 91. 73 es 88, Leona.

March Meeting

Ten members and three guests met at Neighbors Restaurant in Vienna. President Lew Bradley, W4SWP, led a discussion of plans for the coming year.

Chapter member Al Wheeler, WB4JJJ, kept our attention and tickled our funny-bones while he pulled out one FB home-brew project after another. Al, always a craftsman and perfectionist, wowed us with some of his recent QRP-related projects. These included: an electronic keyer with paddles mounted on the top of an Altoids tin; a TiCK-2 keyer whose case had a beautiful baked-on finish; and a Tuna-Tin 2 QRP transmitter.

He showed several miniature test devices, including: a dummy load built into a Whitman's Sampler metal

box; a continuity and battery tester; a power indicator that had over-voltage and over-current protection; a differential SWR analyzer; and an absorptive SWR bridge. Then there was a marker generator; an audio filter for CW; an LC meter; a Ten-Tec Transmatch Tuning Bridge; and a 30 meter, 5 watt transceiver. Al's piece-de-resistance was an Elecraft K2 transceiver. This first-class radio was reviewed in the March, 2000, QST.

Happy Birthday to "Con" Concannon, K4RQ!

Con Concannon, K4RQ, was an honored guest: March 19th was Con's 94th birthday and he has enjoyed 80 years (!!!) as a Ham! Happy Birthday, Con!

ar 73 es gl de Jim W3WV

Chapter 100, East Georgia



Left to right: Charles Wright W4PED, receives a 50-year certificate from Don Anderson K4PSW, President of the chapter.



Left to right: Don Anderson K4PSW, President of the chapter presents a Century Certificate to Ewell Jackson W4IEB.

Chapter 102, Dakota

Our chapter's Special Event Stations to celebrate our 23rd anniversary as QCWA chapter was a success. The following chapter members that operated their stations during this event: Tom, NIØI; Dave, KØERM; Frank, NUØF; Art, KØQQ; Cory, WØYMB and Ray, KØRNT. A total of 195 contacts were logged. Dave, KØERM won our Chapter's Special Event Traveling Trophy for the most contacts. Next year we plan to have another special event stations to celebrate our 24th year as a chapter.

Congratulations to the following chapter members: Roland Cory, WØYMB from Mobridge, SD was reelected for another 2 year term as the ARRL's South Dakota Section Manager and Frank Shaw, NUØF from Rapid City, SD was appointed as ARRL's Assistant Dakota Division Director for the year 2000. Walter Woods, WØKUX from Eagle Butte, SD is one of the five outstanding state volunteers who have gone above and beyond the call of duty in their communities, to receive South Dakota's 2000 Jefferson Award. He travels extensively teaching about prostate cancer awareness. He's a mentor for young people in the community and been a veterans services officer for 25 years.

Who's Who in One O Two

Art Ekblad, KØQQ, (Former WØJWL - 1948 to 1978), QTH Minot, North Dakota, is a ham operator, builder, traffic handler, emergency operator, DXer, husband and father.

At 10 years of age he saw an ARRL Handbook and a QST (he was only interested in the pictures!). One evening in 1947 he was visiting a ham and "talked across the river to Mandan" from Bismarck, ND on 10 meters phone, "boy was I impressed"! He acquired a 9 tube super-het receiver, a borrowed license manual and was \$25.00 in debt. In July 1948, he was 18 years old and the proud owner of WØJWL.

Through the years, a builder. A single 807 modulated with two 6L6's on 29470Kc (only one Xtal). A 4 element "Plumber's Delight" delta matched with an open wire line and turned by a prop pitch motor. Replaced original receiver with a Hallicrafters SX-42, next came a Collins 32V-2. Converted a Motorola AC/DC receiver for 160 meters and built up a 6C4 xtal oscillator (and 6 borrowed xtals) a carbon mike and was on the air on 160 meters from Valley City, ND. And through the years many other projects to upgrade and improve his station.

Routine and emergency traffic handler. KØQQ ran many phone patches through the years from servicemen on remote South Pacific islands. Art has been and is still active on other nets on the ham bands. A DXer - Big Time. Active as a DX chaser... He has the No 1 DXCC plaque on Phone and Mixed. Art is on the CW DXCC honor roll also, needs 6 countries to work them all on CW and 2 countries to get them all again on phone. Has 5 Band DXCC plaque #2990 that is endorsed for 12 and 17 Meters. Art has been a Ham for 51 years and Gladys, WØNGN, his wife has been licensed for 47 years.

His station equipment now consist of a ICOM 775 DSP that feeds a Heath 221 Linear, and the ICOM 751A that feeds the second Heath 221 Linear and R70 receiver. The antennas consist of a 2 element 40 Meter Yagi at 65 feet, a 3 element TA-33 at 75 feet, and 3 element A3WS at 85 feet on the 45G Rohn fold over tower. He has and 80/40 Meter trap doublet inverted V at 65 feet off the tower, a 30 Meter sloper doublet off the tower. Also a Hygain HT-19 vertical in the back yard that works on 160 through 10 Meters and a cross yagi satellite antenna on the garage roof for Oscar activity. The satellite rig is a Yeasu FT-736R with Mirage 160 Watt 2 Meter and 100 Watt 70 cm amps behind it.

Art enjoys his hobby and never misses an opportunity to use his equipment, knowledge and skill to serve the public interest. During the 1949 ice storm covering the whole State of North Dakota - he spent a week handling NP RR traffic. Fargo Tornado traffic. Minot Flood - Just to name a few.



The radio shack of Gladys Ekblad WØNGN and Art Ekblad KØQQ.

He is past President of the Minot Amateur Radio Association (1960 - The year Minot hosted the North Dakota Section Convention), has served as Assistant Director for ARRL, and is currently State Government Liaison for the ARRL. He has been active as a Volunteer Examiner (VE) since its inception.

In addition to hamming Art has served in the North Dakota House of Representatives and been President of the Minot Area Chamber of Commerce, Past District Governor of Toastmasters International. He is and active member of the Minot Kiwanis Club and presently chairman of the Minor Planning Commission. Also active in SCORE and the Diplomats Committee of the Chamber of Commerce. His main goal now is to retire from retirement!

Roger Kehm, KØROG - Vice President

Chapter Reports

Chapter 110, Kansas

Kansas Chapter 110 QCWA met at the Cedar Court restaurant in Clay Center, Kansas, with 22 in attendance.

Special recognition was given Paul Chapman KAØRZO for his many years of managing and calling the Saturday morning Kansas Chapter 75-meter net.



Paul Chapman KAØRZO (l) receiving the "Recognition Award" that was presented by Wendell Wilson WØTQ (r).

Next meeting will be in Salina, with date and location to be announced. At that time plans will be made for the QCWA booth at the Kansas ARRL Convention in August.

Wendell Wilson WØTQ - Secretary

Chapter 120, QCWW

It is with sadness that we report the loss of Chapter 120 Sylver Sparks Editor Dawn Cummings K1TQY who became an SK. President Dot Beam K4PPS sent all members a newsletter to gather us together to assure the members that Chapter 120 is still strong and together. She asked for someone to step forward and become the editor so we can move on. We no longer have a QCWW Net so it is nice that several of the members have e-mail. I hope to have more to report in the next Journal.

Ann Arnholt K9RXK - Secretary/Treasurer

Chapter 126, Piedmont

Thirty-two members and guests attended the March Quarterly meeting of our Chapter. We met at the Pyewacket Restaurant in Chapel Hill, NC, for a delicious meal and great fellowship. It was a pleasure to introduce our newest member, Jim Aderholt, KI4DH and his wife, Verlene. We also congratulated Member John Covington, W4CC, for successfully winning the Section Manager position for North Carolina in the recent election.

Our new Officers and Directors consist of the following, and will be in charge of the Chapter commencing in March: President - Walter Van Gieson AB4DQ, Vice President - M. Kent Miller W4MKM, Treasurer - Charles Brydges W4WXZ and Secretary - Henry Elwell N4UH

Our Net Control Station for the first quarter, AB4DQ, reported that there were 203 checkins by 31 different stations. Changing our Net meeting time from Sunday to Saturday morning produced a 25% increase in activity.

We were pleased to present the QCWA Anniversary Awards to eight of our Chapter members.

Richard Genaille - W4UW - 60 years, First Licensed (FL) 1938

Ray Rhein - K4HXC - 60 years, FL 1938

Paul Schneeloch - W2LCL - 60 years, FL 1938

Tom Boone - W4COC - 65 years, FL 1934

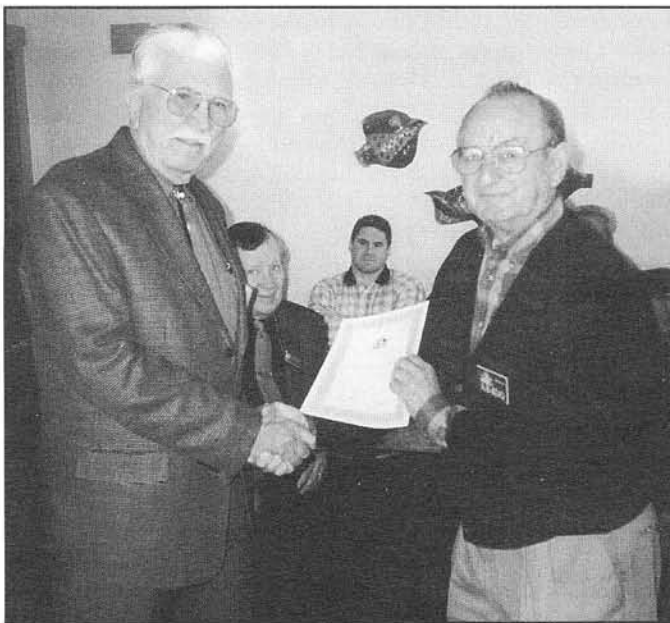
Robert Darke - W4MHF, 65 years, FL 1934

Dave Kennedy - N4SU, 65 years, FL 1935

George McBride - S4DGJ, 65 years, FL 1934

Weldon Fields - W4AJT, 70 years, FL 1930

Val Valentine, K4JO, announced that our December meeting will be at the Bermuca Run Country Club, NC, on December 9th. It is necessary to reserve extra



Weldon Fields W4AJT (left) receives his 70-year Anniversary Award from Chapter Vice President Walter Van Geison AB4DQ. Weldon was first licensed in 1930.

special meeting places many months in advance, and this is one of that type.

Col. Richard Ripley, Retired, spoke about the Military Collection Project, in which he is active. The North Carolina Division of Archives and History are sponsoring that activity. The Archives cover all Wars from the Civil War through the Bosnia one. Col. Ripley pointed out there are no WWI veterans alive in NC, and about 1,000 WWII veterans are dying each day in the United States. As these veterans pass away, their families are discarding many items that should be preserved as part of the history of those war times. The Division is particularly interested in personal correspondence written during the period of military service; diaries and

reminiscences/memoirs; discharge papers and other official service related documents; selected memorabilia; photographs of North Carolinians in uniform. This is an activity that should be carried on in all States to provide better documentation of the military experience of those to whom we owe so much.

We welcome all to visit our Website at <http://www.qsl.net/qcwa126/> to learn more about our Chapter, or contact the Secretary at elwell@slisbury.net.

Henry Elwell N4UH - Secretary

Chapter 128, Pelican

Pelican Chapter has been honored at most of their meetings by having QCWA National Vice President Croft Taylor VE3CT and National Directors John Edel K8LBZ and Alan Pickering KJ9N along with Taping Director Blanche Randles W4GXZ.

Many people were interested in the announcement that there might be a QCWA Convention Cruise. Croft Taylor was asked if there was any news regarding a prospective cruise. Croft said nothing had been decided as yet.

Jim Eberwine W4APV Vice President announced that a QRP Home Brewers Club had been formed in Tampa. The club meets once/month and is made up of a mixture of kids and grey beards who like to build things. He said anyone who is interested is welcome to join them. They meet at the Amateur Radio Club House, 22nd Street North, in Tampa the 4th Saturday of every month in the AM.

The installation of officers for the year 2000 was conducted by John Edel K8LBZ. The following officers were installed:

President - Jarvie Mullins WA4GJH, Vice President - Jim Eberwine W4APV, Secretary - Ken Johnson WA4TOP and Treasurer - Don Bice W4PCO. Directors: Wesley Randles W4COW, Alan Pickering KJ9N, Buddy Morgan WB4OMG and Dr. Marshall Ellis WAØFRP.

The new licensing restructuring was brought up and discussed. Also, there was a discussion on the QCWA National Scholarships.

It was announced that Charlie Campbell W9UEM, a long time member of the Pelican Chapter, had lost his wife, Mary, on February 8 at 5:27 PM. She will be buried in Bedford, Indiana.

Walter Supina N3WS has volunteered to publish the Pelican newsletter.

Plans are already in the making for the Pelican Picnic which will be held November 8, 2000. This is an annual event held at Seminole Park at Shelter 13. We have been able to keep the price of \$7.50 for many years. All QCWA members and guests are invited to join us.

At the March 8, 2000 meeting we were honored by being served by our President, Jarvie Mullins WA4GJH. Jarvie passed out menus, straws, napkins and coffee. He did a great job and was congratulated by all on his fine service.

The prayer for the blessing was given by Don Bice W4PCO Treasurer/Chaplain. The prayer he gave was written for QCWA by Rev. L. Charles Tardiff W3EHG, National Board 18369.

Pelican Chapter meets the second Wednesday of each month at Po Folks Restaurant, 34th Street and 22nd Avenue North in St. Petersburg, FL. We gather in a room reserved for us at 11:30 AM and orders are taken for our meal. Then the meeting proceeds..

Kenneth H. Johnson, WA4TOP - Secretary
wa4top@hotmail.com

Chapter 138 Marconi

The February quarterly meeting was held at the Ft Monmouth, NJ, MARS station. This was a very special meeting in that members took the opportunity to use the new WA2GM club station call to talk to Jerry Havrel, W2RRX, (past President of Chapter 138) who moved to Springfield, MO a few years ago. The photo above shows some of the members who talked to Jerry gathered around the station. Needless to say it was a very happy occasion and great to stay in touch. The chapter plans to do it again.



L-R top row: Mike DiPersio KC2Q, new member; Don Pingitore KG2NV; Laura Clanton N2HGI (XYL); Harold Clanton WB2CJE; Dave Ottenberg WA2DJN; John Gagen W2YR; Aronld Peterson AB2N; Mike Feher N4FS (Pres.); Cecil Bastian W2OOG, new member; Les Hill W2QHS. Bottom Row: Bernie Ricciardi WB2EJT; and Bob Buus W2OD

On April 28/29 our chapter returns to this station for an all night event as part to the International Marconi Day (IMD) celebration. WA2GM is one of 60 sanctioned stations all over the world participating. Special station QSL cards will be used. Look for the information in the April QST and give us a contact.

Bernie Ricciardi WB2EJT - Secretary; Email:
bvrice@monmouth.com

Chapter 149, Nutmeg

An old tradition was dropped and a new tradition was started. To speed up recognition of our seniors' accomplishments, presentation of awards took place at the regular quarterly luncheon meeting on February 12, 2000. Forty six members and guests were on hand at the Manor Inn in Milldale. In recent years this ceremony has been part of the Annual Meeting in May.

Chapter Reports

The following received 60 Year Certificates: E.M.Kowelewski W1TEE; Norma Moskey W1MUW; and Inky Ruscsek W1MPO. A 65 Year Certificate was presented to Bob Turner W1JID while Clete Dunn, W1DIT received a 70 Year Award.



Left to right: Bob Turner W1JIO, holds his 65-year certificate after it was awarded by chapter president Wade Holcomb W1GHU. Photo by Paul Taylor K1AFI.



Left to right: Clete Dunn W1DIT receives the 70-year certificate and is congratulated by chapter president Wade Holcomb W1GHU. Photo by Paul Taylor K1AFI.

Certificates were mailed to the following who were unable to attend the meeting: Gabby Hayes W1IUN, 60 Years; Gus Asor W1JAK, Ken Gleszer W1KAY and Frank McKernan W1UOL, 65 Years.

President Wade Holcomb, W1GHU, then presented a plaque for 75 Years of Public Service as a Licensed Amateur Radio Operator to Earle Fairbanks W1WG. Earle is still active, mainly on CW, and keeps daily skeds with several old friends. More on W1WG will be found in another article in this issue of the JOURNAL.

Look at page 16 in the March 2000 issue of OST for a picture of our secretary's antenna, apparently under attack!

Don Steele W1NFG - Secretary

Chapter 154, Leo Meyerson

Y2K came and started the new millennium without so much as a whimper. All of the readiness, preparation and doomsday warnings from the media and those who believed the worst fortunately were proven wrong.

Chapter 154 started the New Year with its first luncheon meeting of the year 2000 on January 20, 2000 at their new restaurant location, Marie Callendar's on Highway 111 in Rancho Mirage.

First order of business was the presentation of the 65th Anniversary Award to chapter member Gene Gerber, W2GCX. Congratulations! Chapter member, Bart Susman, K6UNR, then presented a fascinating talk and video on the McMurdo Bay installation in Antarctica. He also played an audio tape of his contact with the base station, KC4AAA. [Too cold for us desert rats!]

On February 11-12, 2000 we held our 13th Spring Luncheon and Mini Convention at The Embassy Suites, Palm Desert. Suffice it say the event was a smashing success, although attendance was not up to expectations.

Friday evening, February 11, a no-host bar was held at the Embassy Suites followed by dinner at Mario's Italian Restaurant where members enjoyed a fun evening of singing, good food and good fellowship. On Saturday morning, the 12th, two seminars were held. Lew McCoy W1ICP, spoke on "Stealth Antennas" or "Beating the CC&R's." This was followed by Joe Fairclough WB2JKJ, speaking on "EDUCOM - Education Through Communication" or Taking Ham Radio to School. Both talks were received with much enthusiasm as was the question and answer periods following the talks.

A delicious luncheon served at noon was followed by introductory remarks by Chapter President, George Underberger W6WAS. Keynote speaker Gary Harrison KØBC, President of National QCWA spoke briefly on QCWA activities.

**THE JOURNAL IS AVAILABLE FREE TO
BLIND PAID-UP MEMBERS ON AUDIO
CASSETTE TAPE. FOR MORE
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0179; and (OCT. 1-MAY 1) 6002 N.
Fremont, Tampa, FL 33604
PH: (813) 870-0867.**

Guest speaker, Dr. Vince Thompson W5VT, described his travels to many third world countries working for the World Health Organization. Sort of coincidentally he managed to "work the world" from rare DX locations. A slide Show of his travels brought home the realization of how fortunate we all are living in good ol' Uncle Sugar!

A large pool of prizes were then raffled off to complete the afternoon's event. Our chapter namesake, Leo Meyerson, graciously donated the major door prize, an MFJ989C Tuner.

NOTE: Our newly revised Web page is now open. All are welcome to visit our web site at <http://www.qsLnetlqcwa-154/> (courtesy of Jim Williams, K6HIO, Redwood City, CA.)

George M. Underberger W6WAS 1942@aol.com

Chapter 155, The Virginia Chapter

The Virginia Chapter held its winter dinner meeting at the Old Country Buffet in Charlottesville on February 19th. Phil Lawrence W4DGN Chapter secretary-treasurer was absent due to a long planned, well-deserved trip to Cancun. Paul Dean WB9HGZ was elected to the post of Vice Chairman. The Dean family was well represented in the meeting with Paul's wife Eileen WD9EIA and sons Matt KE4UKY, Mike KE4UKX and J.L. KE4UKZ. Charlie Moore KG4BKD



Bob Pattison K4DU (r), presents 50-year plaque to Ernie Sardi W2EIU (r), at the chapter meeting.

attended as a guest. Dick Weaver W3HXX led the Shenandoah Valley contingent across the mountains to the meeting. Everyone was pleased to see Harrison Faulkner W4DO. New member Dick Mullikin won the "QCWA Hat" raffle. Hats donated by Harry Dannals W2HD. The highlight of the evening was the presentation of a Fifty Year certificate to Ernie Sardi W2EIU.

Bob Pattison K4DU - Chapter Chairman

FACTOID

The very first bomb dropped by the Allies on Berlin during World War II killed the only elephant in the Berlin Zoo.

Chapter 160, Utah

Our Thirteenth annual Mesquite Frolic is over and all had a good time. Gustly winds made us grab for warmer wear but did not deter from the enjoyable time that we spent at the park, coffee, sodas, snacks of all varieties, even apple pie, can't get much better than that. Forty-one attended the evening dinner (the ribs were great!).

I do have a correction to make: In the Fall 1999 Journal, I submitted a photo of the very first Mesquite Frolic. The year was 1988, not 1999 as reported in the article. I am sorry for the typo and the confusion that followed.

This year Alvino ReyW6UK will be celebrating 80 years in Amateur Radio. Congratulations Alvino from the entire #160 group.

Maryellen Vaughan W7CKD - Secretary/Treasurer

Chapter 161, Marin Sonoma

At the regular 3rd Wednesday monthly meeting at the Garden Court Restaurant in Novato, Chapter 161 President Hugo Phillips W6HIO was presented with his 50-year Service Award. Attending the presentation were Vice President Hugh Turner W6BQY and his bride Mabel Turner, Hugo Phillips, Anne Hart and supporting member and long time board member George Klein WR6D.



Left to right: Hugh & Mabel Turner, Hugo Phillips, Anne Hart and George Klein.

Guests are always welcome at our monthly meetings.

Hugo L. Phillips W6HIO

Chapter 162, Southeast Wisconsin

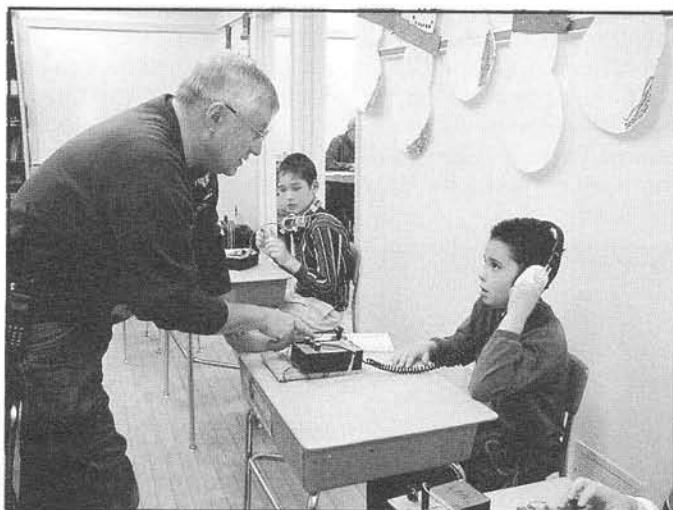
During winter's meandering across Wisconsin, it found our state's southern residents enjoying a very mild and sunny season. The exceptions were our January, February, and March meetings. Old Man Winter seemed to save some of his nastiest stuff for those dates - snow and sleet greeted our January business meeting with a repeat performance during our February Valentine party. In March he eased up some and only dumped rain on the group. Our members in Kenosha and further South were rather reluctant to drive on those three outings. I am happy to report Bill Komistra,

Chapter Reports

W9OVZ is feeling much better and is participating in club activities again. Bill was stricken with a mysterious illness last summer that knocked him off his feet. Doctors to date have not been able to determine the illness' cause. But it is good to have Bill active with the group once more. Herb Ladwig, W9PHJ experienced a new laser surgery procedure for a hernia in March and has bounced back with vitality and vigor (I have been told). We were glad to hear the good news Herb. On Friday, February 4, 2000, six Chapter members participated in an options program at Racine's Red Apple Elementary School. Our option was Amateur Radio. Three members, Spencer Clope, W9LDH, Ron Fox, K9AKH, and Larry McCalvy, WA9JMO set up a two-meter transceiver station and a bank of Code Oscillators with headphones for ten 3rd to 5th grade students to experience "talking" on Ham Radio. Three other chapter members, Fern Fisher, W9LCJ, Lloyd Gorsiski, WB9RGO and Phil Newmiller, KC9IS were on the other end of the two-meter contacts. Each stu-



After a quick explanation from Ron Fox, K9AKH, this Red Apple Elementary School teacher utilized the assistance of ARRL's Archie Comic Book with the Morse code alphabet and an oscillator to explore a new way of communications with her students.



Ron Fox, K9AKH, (Chapter 162) is providing a little hands-on instruction to a fourth grade student in the fine art of CW via a code oscillator and head set.



Spencer Clope, W9LDH has the undivided attention of two fifth grade students as they prepare to make their on-the-air debut via Racine's Lakeshore two-meter repeater.

dent got to "talk" to someone on the air. And with the aid of ARRL's Archie Comic Books, an item they took home, they banged out messages via CW to one another. A teacher assigned to our group seemed to get more enjoyment out of the Code Oscillators than did the students. We only had the kids for an hour, but hopefully we left them with a thought two about or maybe a general interest in our hobby. Whether we did or not, we still had a very enjoyable hour with those young folks.

Larry McCalvy WA9JMO - President

Chapter 165, York County

OLDEST MEMBER OF CHAPTER RECEIVES 70-YEAR AWARD

Mr. Albert Gibson W3ABN received his 70-year award from Ray Shaub W3AXC. The award was made on Mr. Gibson's 97th birthday January 16, 2000. He was first licensed as 4AN in Miami Florida on March 22, 1926. Mr. Gibson was active with a rotary spark



Albert Gibson W3ABN (left) receives his 70-year award from Ray Shaub W3AXC.

transmitter. He told the story at a chapter meeting back in 1988 that he remembers learning to build spark transmitters when he was in technical school in Philadelphia. At that time they were the state-of-the-art transmitters. He said he remembers contacting Navy ships at sea using the rotary spark transmitters.

When Mr. Gibson moved to Pennsylvania he was issued the call 3ABN. A job took him to Long Beach, New Jersey where his call was changed to K2DP, and when he returned to Pennsylvania in the early 30's he was re-issued the 3ABN call but then it was W3ABN.

Mr. Gibson is still licensed as W3ABN and he still maintains a station on 2 meters in his retirement home QTH near York, Pennsylvania.

Chapter 169, Sacramento Valley

How fast time flies when it comes time to do the QCWA quarterly report. Chapter 169, is back at our long time meeting place which is LYONS RESTAURANT, located at 1000 Howe Avenue in Sacramento, CA. Breakfast participants are seated after 7 a.m. with breakfast at 8 a.m. and meeting about 8:30 a.m. Chapter meetings are held on the SECOND WEDNESDAY of each month.

Quarterly guest speakers have included presentations on the Sacramento Scottish Rite Clinic for Childhood Language Disorders, AARP SMART medication program, and Friends of the River, talking about the Auburn Dam project near Sacramento.

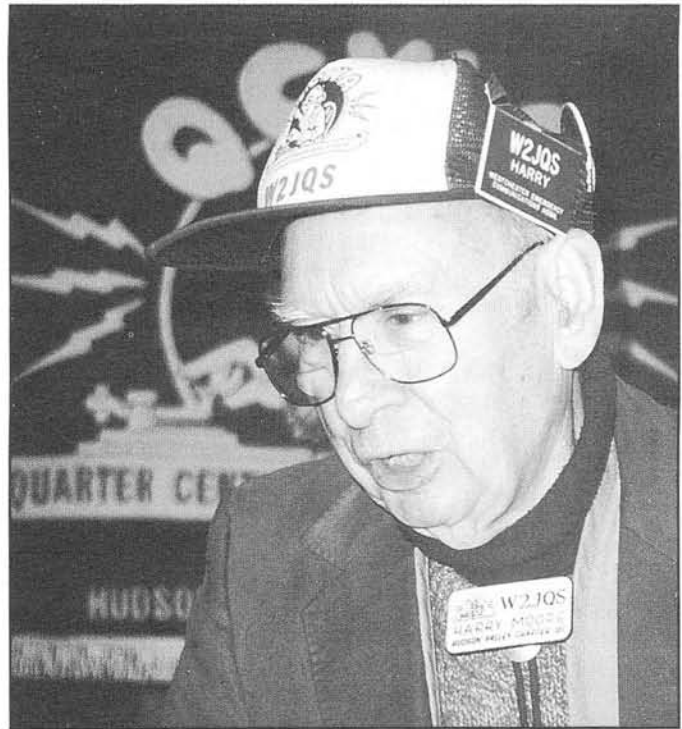
QCWA members and other Amateurs, including YL's are cordially invited to attend our meetings. Call Paul Wolf, W6RLP, at 916-489-8112 or Gary Stilwell, KI6T at 916-961-6659 for more information.

Chapter 181, Hudson Valley

At the Tarrytown Hilton Inn, on February 5, Chapter 181 hosted a special inter-chapter meeting to commemorate three members of the Chapter who recently had become silent keys. Sadly; we had lost Bill McCarren, K2LV In December, Justin Stenerson, W2XF, and Dave Winter, W2ALJF, In early January. All had been active members of the Chapter when they were able. The meeting allowed anyone to speak about any of the SKs.

Albums were presented to each of the families, made up of photographs taken at meetings over the years. In addition, an album was made up and appropriate words said about another QCWA member who was a special friend of the Chapter, the late Carl Todd, AE1H, of New Canaan, CT

More recently, a number of Chapter members took part in putting on "WECAFEST 2000", the annual hamfest of the Westchester Emergency Communications Association. Our Chapter president, Harry Moore, W2JQS, manned a very busy QCWA/OOTC booth, signing up several new members for both organizations. The overall boss was member Tom Raffaelli, WB2NHC, assisted by Dwight Smith, N2FMC. Sandy Fried, N2SF, Lou Leonard, WA2UIJ and Frank Lauri, N2IX were involved in VE activities and George Goering, K2DCL, and Jullan Heilbronner, WD2ADT helped Harry Moore



Chapter 181 President Harry Moore W2JQS, in action at the QCWA booth at "WECAFEST" 2000. Photo by NJ2J.

at the QCWA table. The Secretary, Dick O'Brien, NJ2J, manned his usual post at the WECA welcoming table.

Dick O'Brien NJ2J - Secretary

Chapter 188, Lost River

At a recent meeting of Lost River Chapter 188 of QCWA from Klamath Falls, Oregon, Carolyn AB7ET, President presented 60-year certificates to Tom Brooks NV7N and Don Nichols W7IEO. Our group meets the third Thursday of each month for lunch at Mike and Cathy's Restaurant in Klamath Falls and we have good attendance even though some of our members are located in Northern California and up to 50 miles north and west of town here in Oregon. Those members are to be commended for their faithfulness.



Left to right: Tom Brooks NV7N, Carolyn AB7ET - President and Don Nichols W7IEO.

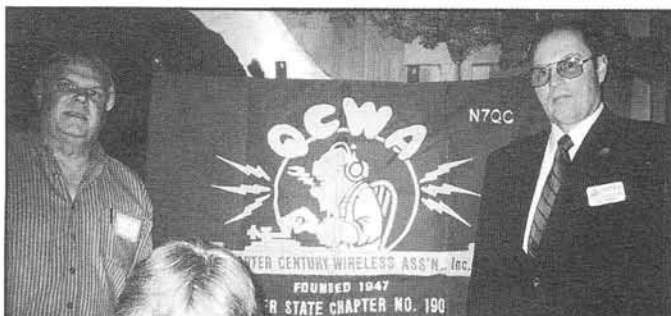
Carolyn Brooks AB7ET

Chapter Reports

Chapter 190, Silver State

Well it was a good end to the century for chapter 190. The chapter grew by two members over the course of the year and held a total of four meetings. Three were brunch meetings and the final was the yearly business and Christmas Gala in one.

The one sad note in 1999 was the passing of Jane Van der Slice N6NTB toward the end of the year. She was 87.



Left to right: Larry Oakley W7AB - Vice President and Don Freeman W7FD - President of the Silver State Chapter in Reno, Nevada.



Left to right: Restaurant employees serenade Marina KI7DK on her birthday while Bob Davis K7IY looks on.

At the business meeting normal business duties consisted of reelection of officers as follows, all of which were incumbents, Donald Freeman W7FD, President, Larry Oakley W7AB Vice President, Gordon Harris W7UIZ Secretary. On the evening of the Christmas Gala, we were able to surprise Marina KI7DK with happy birthday being sung to her by all the employees of the restaurant. She was the long time friend of Bob Davis K7IY. The sad part to this happy event is that on Thursday evening the 24th of February, Bob Davis K7IY suffered a fatal heart attack while driving his car home. Bob was one of the original ten members that chapter 190 began with, an ARRL section manager and involved in many local clubs and activities. He was especially well regarded by all members of this chapter and will be missed for many years. A donation to the national scholarship fund will be made in his honor shortly.

Don Freeman W7FD - President

Chapter 192, Puerto Rico

The QCWA Puerto Rico Chapter met during the annual assembly of the Puerto Rico Amateur Radio League in Salinas, PR. The Executive Board was re-elected for a new term.

The group had the opportunity of attending a most interesting lecture given by Riley Hollingsworth, K4ZDH, FCC's Special Counsel for Amateur Radio Compliance, himself a QCWA member.



From left to right, Puerto Rico Chapter 192 president José Toro, KP4RK, FCC Special Counsel Riley Hollingsworth, K4ZDH, and Chapter Secretary Victor Madera, KP4PQ.

Riley's theme was "The FCC and its New Compliance Program," in which he explained the many steps that are being taken to ensure proper compliance with the rules and regulations governing amateur radio. He mentioned among the worst offenses abusing the assignment of licenses to club stations, conducting doubtful exam sessions, and the unlawful use of amateur frequencies. "We must be on the right track," he said, "because statistics show that 85% of amateur license holders who are recalled for re-examination, do not appear before an FCC officer."

Hollingsworth was awarded the Citizen of the Year Award issued by the PRARL to persons who have excelled in activities that improve and enrich amateur radio.

Chapter 194, Hawaii State

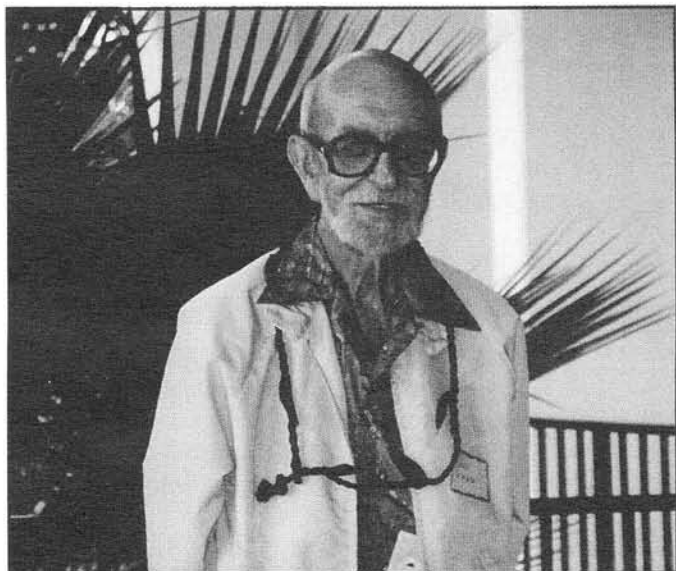
Hawaii Quarter Century Wireless Association (QCWA) Chapter 194 Elects Officers.

At its recent annual meeting, Hawaii Statewide QCWA Chapter elected the following officers: Clarence Smith (AH7A) succeeds Jim Reid (KH7M) as President Ron Phillips (AH6IIN) succeeds Kenny Bell (KH6AFQ) as Vice President; and incumbent Paul Lieb (KH6HME) was re-elected as Secretary-Treasurer.

Mel Vittum KH6D, retired FCC Engineer, made the keynote address. Mel has the honor of having been licensed longer than any other Chapter 194 member. It turns out that most members who sat for FCC tests, sat before Mel.

QCWA Chapter 194 membership is comprised of

radio Amateurs statewide that received their first license at least twenty-five years ago. Qualified Amateurs, also known as HAMS, are encouraged to join.



Keynote speaker for the annual meeting was Mel Vittum KH6D, retired FCC Engineer.



Left to right: Newly elected officers of the Hawaiian chapter are Clarence Smith AH7A - President, Paul Lieb KH6HME - Sect./Treas. and Ron Phillips AH6N - Vice President.

Following installation, Clarence said that he is very proud to hold the office of President and to be joined by Ron who is Pacific Area Section Manager representing all American Radio Relay League (ARRL) members in the Pacific, and Paul who is renowned for his record breaking VHF/UHF feats. Smith also commended outgoing officers for growing the Chapter to its present stature, and vowed to continue the work they started

Clarence E. Smith AH7A

It takes less time to do a thing right than it does to explain why you did it wrong.

-Henry Wadsworth Longfellow

Chapter 196, Edison

Record attendance! The March luncheon had a record number of way over 30 members and their guests. What a pleasure it is to see our chapter growing as it is such new group. We had several other chapters represented with guests coming from other Florida areas and also Canada.

It was with great pleasure that I recently presented Hugh Pulliam, W4SEM, his 65 year certificate and Jim Hall, W3JI, his 60 year certificate of appreciation for devoted amateur radio service. My hat is off to these two outstanding gentlemen.

Our chapter secretary, Jan Scheuerman, KJ4N, recently became the ARRL's South Florida Section Traffic Manager. Jan is enjoying the challenge and we all should be very proud of her for taking on this huge task.

Let's welcome the newest chapter members since the last newsletter. Merle Zeek, KE8NA; Frank De Vito, W4OZ; Ivan Davies, KF4WBN; Mike Gurka, K2UGH; Robert Duerkes, W4PPG; and Brenda Baber, N8FHN, have signed up with our chapter and have been enjoying the benefits of QCWA membership.

The magazine exchange program is working. If anyone has outdated but usable catalogs or radio publications bring them to our luncheons, it is a great way to share. Just pick them up and take them home.

With the co-ordination of national QCWA Vice President Croft Taylor, VE3CT, our last meeting included a slide presentation. John Fyke, VE6AIV, recently toured the Panama Canal. John entertained us with a brilliant recap of his adventure. Many thanks to John for coming to our chapter and sharing his experiences.

We also were pleased to welcome Big John Edel, K8LBZ. Big John is currently a national QCWA Director. John had informed us that he was not going to run for office again but he had hoped that Art Kunst, W4WM, would succeed him. Art and Big John are long time close friends. Art addressed our chapter and it was nice to be able to learn more about a candidate on a first hand basis. Please remember Art when it comes time to vote for directors again, he is a very solid candidate and he would surely do an outstanding job.

The April meeting is going to feature an antenna presentation by Jim Hall, W3JI. I am looking forward to being there when Jim shows us his well acclaimed and world famous demonstration.

Several members have asked me about our treasury. I am happy to let everyone know that at this time we are in good shape. We do not charge dues for local membership. It has been through many very generous donations that we are able to afford stamps and supplies. Of course, some day we will need to boost the account and at that point I will do so by letting everyone know that we are low. This is a good way to keep expenses down and use only what we need.

Now that spring is here, some of our seasonal members will be heading back to their northern homes. I want to personally thank all of them for adding to the

Chapter Reports

strength of our organization. Walter Rollick, W4IGE, has moved away permanently and is happy in the hills of Tennessee. Jim Haerer, W2TXH, formerly of Buckingham Air Park, has relocated to Sebring, Florida. I know that both Walter and Jim have found happiness and new friends but I miss them and wish them both well. They will be visiting us from time to time and I hope they can join us for lunch at the Steak and Ale.

Tad Burik WA8PXL - President

Chapter 200, 200 Meters and Down



Pat Callaway K4HFJ, is shown with her award of "Ham of the Year" for 1999, awarded by the Gainesville Amateur Radio Society. Pat is Secretary of Chapter 200.



Sam Ulbing N4UAU, talked to the chapter and is holding one of the projects that won him the ARRL Cover Plaque Award. Sam has parts to construct his projects and may be reached at n4uau@afn.org.

NEXT

DEADLINE JULY 1, 2000

QCWA HISTORICAL MATERIAL WANTED

It is important that we preserve any or all material pertaining to the history of the QCWA for posterity. If you have items to contribute to the historical record of the QCWA organization, please contact:

Historian Wesley Randles, W4COW
6002 N. Fremont
Tampa, FL 33604
Ph: 813-870-0867
e-mail: w4gxz4@juno.com

T - S H I R T S



Sizes SM to XL - \$13.00/ea.
XXL to XXXL - \$15.00/ea.

Order From:

QCWA

159 E. 16th Ave.
Eugene, OR 97401-4017

Member Supplies

Certificates

Membership Certificates are numbered in serial order and are issued to each member. Numbers are not reissued except to the same member to whom they were first issued.

QCWA Gold Certificates celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license.

Gold Certificates are issued in five year increments; 55, 60, 65, 70 and 75 year certificates free of charge to eligible members.

Fifty Year Continuous Licensing Gold Certificate available to eligible members. Requires submission of proof of continuous licensing. There is a \$5 fee for this certificate. Applications are available from QCWA Headquarters.

QCWA Century Club Certificate is issued to QCWA members whose age, when added to their number of years as a QCWA member totals 100 or more. No charge for this certificate.

Meritorious Award Certificate is issued by Headquarters upon request of any active QCWA chapter. One such award is authorized for each chapter each year. The award may be given to recognize unusual dedication to QCWA or amateur radio. No charge for the award.

Operating Awards

QCWA Operating Award Certificates are issued to QCWA members by the Activities Manager. Proof of eligibility is required.

QCWA Worked 50 States Awards are issued to QCWA members who have contacted members in each state of the union.

QCWA Worked 100 Members Awards are issued to QCWA members who have contacted at least 100 QCWA members.

QCWA Worked 60 Chapters Awards are issued to QCWA members who have contacted members of 60 chapters.

QCWA Worked 500 Members Awards are issued to QCWA members who have contacted 500 QCWA members.

QCWA Lapel Pins

Without year tags, tie-tack, safety pin or screw type. Plain pins (no year) - \$10

With year tags (clutch-type only). Specify year; 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 - \$15

QCWA Life Member pin - \$5

Other Member Supplies

QCWA Embroidered emblem - \$5

450 QCWA Red Stamps (regular) - \$3

450 QCWA Gold Stamps (life) - \$3

400 QCWA Yellow Stamps (50 Year) - \$3

QCWA Cap with logo - \$5

QCWA Chapter Banner - \$200

QCWA Decals - \$1

QCWA QSL cards - (see ad elsewhere)

Please send your order to QCWA Headquarters, 159 E. 16th Ave., Eugene, OR 97401-4017.

Phone (inquiries only, no orders): 541-683-0987, Fax 541-683-4181

We accept orders charged to credit cards.

Rules for the 44th Annual QCWA QSO Parties

QCWA cordially invites all to participate in the 2000 QSO parties. All licenced Radio Amateurs world wide are invited.

Time/Dates: Two parties will be held in 2000. The first one shall commence on **11 Mar 2000 at 1900 Hrs** UTC and the second one shall commence on **16 Sep 2000 at 1800 Hrs** UTC. Each will run for a **period of 24 Hours**. Both CW and Phone modes may be used.

Frequencies: The following 15 Bands may be used:-

Any station may be contacted on any or all of the 15 bands for a maximum of 15 QSO's per station, with no more than one

1.8: 1.800 - 2.000	14.0: 14.000 - 14.150	28.3: 28.3 - 29.7
3.5: 3.500 - 3.750	14.2: 14.150 - 14.350	50: 50.0 - 54.0
3.9: 3.750 - 4.000	21.0: 21.000 - 21.200	144: 144.0 - 148.0
7.0: 7.000 - 7.150	21.2: 21.200 - 21.450	220: 220.0 - 225.0
7.2: 7.150 - 7.300	28.0: 28.000 - 28.300	UHF above 420 Mhz

QSO per Band. Any station in the same chapter may be counted only once, for a maximum of one QSO per station. No contacts on WARC bands are permitted (10, 18 and 24 Mhz Bands). No Cross Band or Repeater Contacts are allowed.

Suggested Starting Frequencies:

CW: 1.910: 3.540: 7.035: 14.040: 21.050: 28.050

Phone: 1.910: 3.890: 7.244: 14.262: 21.365: 28.325

Calling (CW or Phone): CQ QCWA

Information Exchange: Fill Columns on the Log Form. For the "year" column, indicate the last 2 digits of the year the station operator was first licenced. If the contacted station does **not** belong to a QCWA chapter, show only the State, Province or Country of its location. The latter would apply to Non QCWA members as well as to QCWA members who are not affiliated with a local chapter. **Do Not mention the term "At Large" (AL) as was done several years ago, as this can be confused with AL for Alabama.** For Band info, simply indicate one of the above 15 Bands in the "band" column.

Scoring: Each Phone QSO is worth **one contact point**. Each CW QSO is worth **2 contact points** (show 2 points in the QSO Points Column on the Log). A **Multiplier of one point** is given for each QCWA Chapter worked and for each State, Province or Country reported from stations not belonging to a QCWA Chapter. A total of **only one** multiplier point will be given for each State, Province or Country. A **Multiplier of 3 points** will be given on each of the 15 Bands for working our Special Events Station **W2MM**. It is hoped to have this station active throughout the two parties. Stations within 50 miles (80 Kms) of W2MM, may work W2MM only once for a total multiplier of 3 points. This year the station will operate in the vicinity of the Toronto International Airport.

Sample logs and a summary sheet may be requested from QCWA Headquarters with an SASE.

Address is 159 East 16th Ave., Eugene OR 97401-4017.

Awards:

Certificates will be issued for the top 3 World Scores.

A certificate will be issued for the top score in each participating Country.

Summary Paragraph: In order to assist the log checker, please include, along with your logs, a Summary Paragraph as shown below.

QSO's

Contact Points

CW Contacts _____	x2	= _____
Phone Contacts _____	x1	= _____
Total Contact Points		= _____ (A)
Multipliers		= _____ (B)
Total Score = A x B		= _____

Send your logs, together with the above summary paragraph to the following address within 30 days of the QSO party. All participants are encouraged to send in logs no matter how few or how many contacts are made.

Send Logs to: WØHXL, Dick Newsome, 2924 North 48th Street, OMAHA NE 68104-3726, U.S.A.

2000 QSO PARTY

Name	Call	Final Score	
Address			
Chapter #	Novice (Yes/No)	QCWA (Yes/No)	QCWA Member #

[illegible]

A Kelleys Island Adventure

by Joseph Zelle, W8FAZ

Dedicated to the memory of the late James Russell, W8BU

When I was a very little child, my father took me on a trip to a very strange and exciting mystical island. We went by a big boat on the lake. After a long ride we arrived at Kelleys Island. I never forgot that experience. It kindled my childish imagination.

My ultimate plans as I grew up were that by the time I was 40 and a multi-millionaire, I would retire to Kelleys Island. I would retire to that dreamland with all kinds of adventures. So I read literature about the Island. It became an obsession with me. My ambition was to revive its grape and wine industry which had been wiped out by the Volstead Act, -Prohibition.

At one time I even planned to move to the Island. I could easily commute from there to the Lake Front Airport in downtown Cleveland. It would be just a 20-minute flight in my Cessna. No hassle with wild speeding motorists late for work; no traffic light delays. Only bad weather might occasionally strand me either on the Island, or at the downtown airport.

Then quite by accident I learned that a very famous old-time Ham had his summer home on Kelleys Island. He was James Russell with the original two-letter call of 8BU, later W8BU. So he must have been a real, real old-timer! Moreover he had attained Ham immortality.

The Ham was that famous one who's amateur radio signal had been heard in Scotland by Paul Godley during the 1920 ARRL Transatlantic Tests. That Ham was now a practicing attorney. Sensing my enthusiasm for my dreamland island, that Elmer was so gracious as to even invite me to visit his station.

W8BU's QTH was located on the northeast end of Kelleys Island. I was thrilled as I stood at the water's edge, looking over the lake to the Northeast. I could almost see radio signals slithering along Lake Erie at 669,600,000 miles per hour over the horizon from Europe. What a fantastic location for DX! And virtually no QRN on this aboriginal tiny island!

OM Jim calmly, casually tolerated my boyish glee for his amateur radio location, the kind we died-in-the-wool Hams only dream about. Jim had his own motorboat housed beside his domicile. No need to wait for plane or ferryboat to the mainland.

"Want to go for a ride?" he asked nonchalantly.

"Do I? Would you?" I responded in boyish astonishment at such good will.

And of course we went for a ride. The sun was setting in a calm cool glorious blaze over the lake. By the time we got back from cruising around the island, it was almost dark. Just time enough to catch the last ferry for the mainland.

The memory of that visit excites me even today, decades later. Of course, I never made that million. I just started working on my second million. I even never visited my dream island again, either.

But Jim, thanks for humoring a youngster and thanks for the memories!

Note: Kelleys Island is the correct spelling, without the apostrophe. Check the Lake Erie map north of Sandusky, Ohio between Toledo and Cleveland.

Russell was associated with one of the greatest moments in radio history

By Gerry Wentz, Editor

The Editor expresses his sincere gratitude to the Radio Club of America and Mike Katzdorn for access to archival and Internet material used in the preparation of this article. www.erols.com/oldradio & www.radio-club-of-america.org

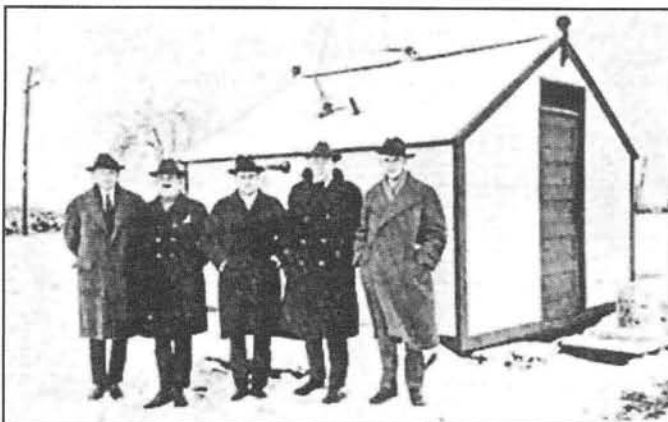
Joe Zelle's visit to Kelleys Island and accidental meeting with James Russell W8BU was certainly a treasured memory but also, it was a visit to a historical moment that should be visited by everyone with the slightest interest in radio history.

The ability for shortwave signals to transverse the Atlantic Ocean between America and Europe required "huge and expensive machines like the GE built Alexanderson alternator and the massive Federal Telegraph Co. arc converters, generating up to a megawatt of energy."

Louis Pacent of the Radio Club of America (station 1BCG) in Greenwich, Conn. was also entertaining the idea and presented his ideas to the Board of Directors. No action was taken and his ideas were thought to be too costly.

In 1921, The American Radio Relay League (ARRL) decided to sponsor a series of transatlantic tests and chose Paul Godley, one of the oldest members of the Radio Club of America to go to Scotland to "attempt reception using a specially constructed superheterodyne receiver."

On November 18th, 1921, E. H. Armstrong, Walter Inman, E. V. Amy, John Grinan, Minton Cronkhite, and George Burghard, members of the Radio Club of America decided to build a transmitting station that could be heard in Europe. It was decided to build the station at Greenwich, Conn., on the site of Cronkhite's present station 1BCG.



Operating staff, station 1BCG. Left to right: Amy, Grinan, Burghard, Armstrong, Cronkhite.

At a meeting of the radio club in December 1921, Mr. E.H. Armstrong presented the club with a manuscript describing the 1BCG transmitter that he designed. Mr. Armstrong, as many of you know, became famous as the inventor of three of the basic electronic circuits underlying all modern radio, radar and television.

While attending Columbia University, majoring in Electrical Engineering, Armstrong was experimenting with the "audion" tube discovered by Thomas Edison in 1883 and later discovered

by English inventor John Ambrose Fleming in 1904 to have the ability to function as a wireless receiver. Armstrong fed part of the plate current back to the grid and found that it could strengthen incoming signals. This was the birth of the regenerative circuit. By increasing the level of the plate to grid feedback, Armstrong found that it would produce oscillations that acted like a transmitter of electromagnetic waves. Thus was born out of the same regenerative circuit, the continuous-wave transmitter that is so dear to the hearts of all the QCWA old timers.

After E.H. Armstrong graduated from Columbia, he returned to the University as an instructor and assistant to Professor Pupin, also an inventor. Years later, after inventing and designing many electronic projects, and also after receiving France's Legion of Honor, Armstrong became the successor to Pupin at Columbia. A small point of trivia about E.H. Armstrong often lost in his noteworthy contributions to radio is that he married Marion MacInnes who was the secretary to a man named David Sarnoff, who by then had become the President of Radio Corporation of America (RCA).

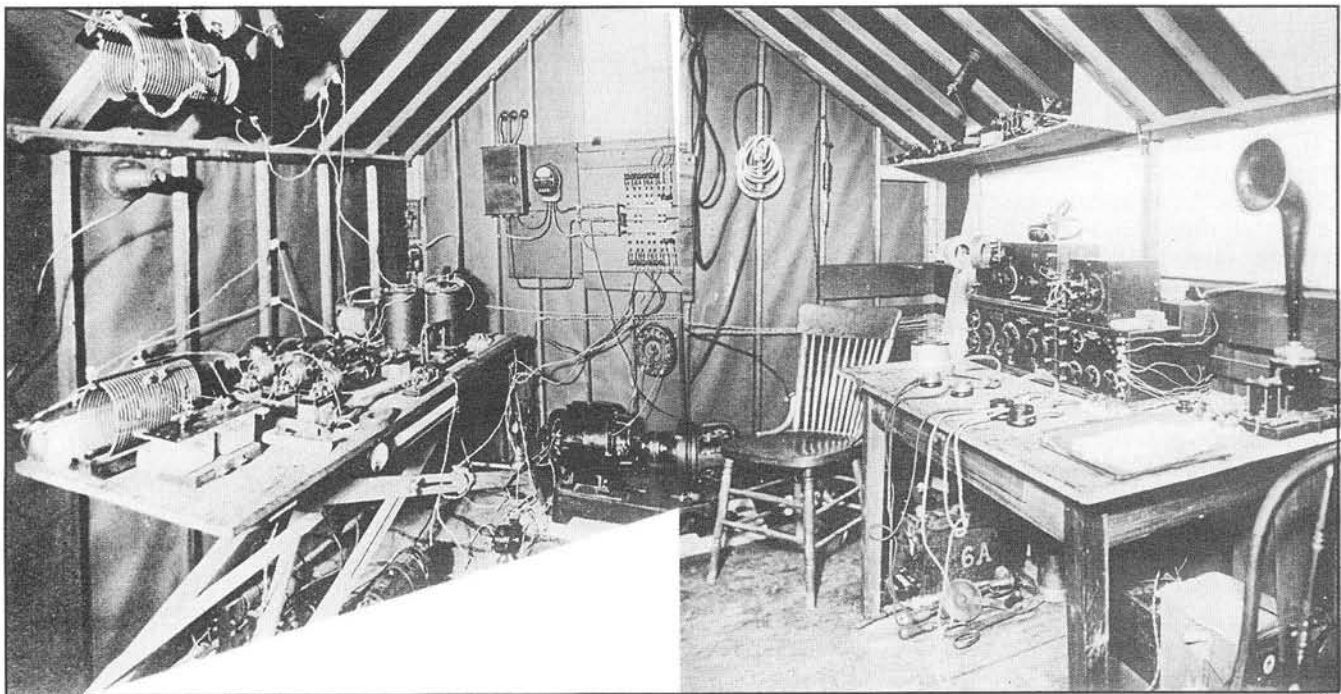
At the right, you can see the first page of the original manuscript written by E.H. Armstrong.

The construction of the station went forward for what would amount to less than \$1000 worth of parts. The antenna system consisted of a "T" type cage with a 100-foot flat top 70 feet high and a radial counterpoise in place of a ground. Four type U.V. 204 Radiotrons were used in the transmitter, one as the master oscillator and three in parallel as amplifiers with a 2500-volt direct current power supply.

The design of the transmitter centered about one main idea - the production of that type of 200 meter wave which would be most effectively handled by the superheterodyne method of amplification and ~~that~~ of that type of audible signal ~~to~~ which would be most effective in the combination of the telephone and the human ear.

To meet the first condition, that is, the electrical requirements of the superheterodyne a pure undamped wave must be used. It is obvious that the superheterodyne with its great selectivity and highly resonant system cannot give its maximum response when there is any discontinuity or variation in amplitude in the transmitted wave. Undamped waves

Copy of the original manuscript written by E. H. Armstrong giving details of his proposed transmitter design.



Thanks to the magic of computer graphics manipulation, the Editor prepared a composite view of the inside of 1BCG radio shack by combining two photographs from the archives of The Radio Club of America. On the right, one sees the receiver section and on the left is the transmitting apparatus. A setup to achieve the same outcome today could probably fit comfortably on the seat of the chair.



Trans-Atlantic receiving apparatus installed and operated by Paul F. Godley at Ardrossan, Scotland. Ass't. operator Piersen, 1921.

As it turned out, the transatlantic tests were one of the greatest achievements in amateur radio history establishing shortwave as the dominating mode for long distance radio communications. The significant (or insignificant) amount of money to accomplish the feat was dwarfed by the historical and technological significance of the transatlantic communication.

Radio Station 1BCG was awarded the prize for the best station in the test by Mr. Burnham & Company of England. According to the report in the *Proceedings of the Radio Club of America*, they offered one of their Ultra III receivers although it seems the award was never verified. The 1BCG signals were heard in Scotland on December 9, 10, 11, in England, Germany, Holland, Puerto Rico, Vancouver BC, California and Washington. The greatest distance covered was to Amsterdam, Holland a distance of approximately 3800 miles, mostly over water. It traveled 2600 miles over land to Smith River, Calif. Station 1BCG sent three complete messages to 6XAD in Avalon, Catalina Island CA and one 12-word message to Paul Godley in Ardrossan, Scotland at 9:45-10:00PM on December 11, 1921. This was all accomplished with an input of 990 watts and a wavelength of 230 meters. It was the first time in history that an amateur station had sent a complete message across the continent or across the Atlantic. It was perhaps the first time that this feat had ever been accomplished with less than a kilowatt input and a wavelength of 200 meters.

The fact that this feat was accomplished using low power and shortwave captured the interest of such notable men as Professor M.I. Pupin of Columbia University and David Sarnoff, General Manager of the Radio Corporation of America.

Professor Pupin, head professor at Columbia, traveled to Greenwich to visit the station and said in his inimitable way when he arrived, "To see what you boys are doing".

One might get the impression that only Messers Amy, Grinan, Burghard, Armstrong, Cronkhite and Inman were the only people involved in the communication with Mr. Godley in Scotland. One could question the conspicuous omission of Mr. James Russell's name from all the major reports of the transatlantic communication.

Mr. Russell was not among the contestants vying to compete in the final tests. There were a series of preliminary test transmissions after which 27 stations qualified for the finals. A complete list of the finalists was published in the February 1922 issue of QST.

Mr. Godley maintained elaborate logs of his activities while in Scotland. He noted that 8 British amateurs succeeded in copying



1BCG generated a lot of attention. Here, center of the front row, Professor Pupin is paying a visit "to see what the boys are doing".

the American transmissions. But most important to our discussion, he released a list of spark and CW stations he heard in North America among which is listed "8BU of Cleveland", our James Russell of Kelleys Island. The following is a list of the North American stations heard by Mr. Godley in Scotland. You might even recognize some of them.

Spark Stations

3BP - Newmarket Ont., 1ARY - Burlington VT, 1AAW - unknown location, 1BDT - Atlantic MA, 2BK & 2BN - Yonkers NY, 3FB - Atlantic City NJ, 9ZJ - Indianapolis IN and 8BU - Cleveland OH.

CW Stations

1RU - W. Hartford, CT, 1RZ - Ridgefield CT, 1ARY - Burlington VT, 1BCG - Greenwich CT, 1BDT - Atlantic MA, 1BGF - Hartford CT, 1BKA - Glenbrook CT, 1XM - Cambridge CT, 1YK - Worcester MA, 2EL - Freeport NY, 2EH - Riverhead NY, 2FD - New York City, 2FP - Brooklyn NY, 2ARY - Brooklyn NY, 2AJW - Babylon NY, 2BML - Riverhead NY, 3DH - Princeton NJ, 8ACF - Washington PA, and 8XV - Pittsburgh, PA

So Joseph Zelle's visit with James Russell on Kelleys Island was even more than a memory. James Russell was one of a very few hams whose amateur radio signal was heard by Paul Godley in Scotland during the 1921 transatlantic tests. Mr. Zelle visited a mystical island, a fellow ham and a participant in one of the greatest achievements in the history of radio.

August 1997

JAMES L. RUSSELL, W8BU, SK

Veteran ham radio operator Jim Russell, W8BU, of Rocky River, Ohio, died August 15, 1997. He was 98 and had been a ham for approximately 85 years. Russell was said to be the first ham west of the Allegheny Mountains to work Europe. He was an ARRL and QCWA member and served as a net control station for the Intercontinental Traffic Net. In his professional life, Russell was an attorney, a justice of the peace and the public safety director for Fairview Park, Ohio. He also dabbled in astronomy and telescope building. His late wife, Eila, was WA8EBS. His brother, Dave, is N8DR. —Jerry Murphy, K8YUW

From The ARRL Letter Vol. 16 No. 34 (August 29, 1997)

Chapters on the Air

NO NAME	DAY	TIME NC	FREQ
50 CALIF CW	SUN	1100L W6WHM	7034
FL SSB	SAT	1300Z W4NWF	3955
QCWA SSB	SUN	2000Z varies	14347
FL SSB	WED	1500Z W4NWF	7274
NE REGIONAL	SUN	0845L W2AUF	3917
QCWA CW	WED	2000E varies	7035
1 CLEVELAND CH	WED	2000L W8LYDW	146.88
2 CHICAGO AREA CH	1stTh	2130L W9MOL	147.15
4 NORTHWEST CH	SUN	1200L W7PN	3952
4 NORTHWEST CH	SUN	0800L W7PN	3650
5 DELAWARE VALLEY CH	SUN	0945L W2UAE	3917
6 PITTSBURGH CH	SUN	0830L W8CSU	147.03
7 SOUTHERN CA	SUN	1000L W6ZRZ	147.36+
7 SOUTHERN CA	SUN	0900L W6WHM	3917
7 SOUTHERN CA	SUN	1100L W6WHM	7234
8 UPPER MIDWEST CH	SAT	0800L WOKHG	3877
9 SOUTHWEST OH	SUN	1330L K8YDP	3975
10 MICHIGAN CH	SUN	0800L VARIES	3903
11 NORTHERN CA	SAT	1000L W6AQR	146.85-
11 NORTHERN CA	SUN	0930L W6AFT	3907
14 SAN DIEGO CH	WED	2000L K6QS	145.52
16 ARIZONA CH	SUN	0630L W7ER	3890
17 ALLENTOWN-BETHLEHEM	SUN	1200L VARIES	3990
19 MISSOURI CH	WED	1930L W9VHL	147.15+
20 BALTIMORE CH	MON	2100L W3EE	147.285
21 CANTON OH CH	THU	1930L W8DRT	147.180
25 NEBRASKA CH	TUES	0100Z VARIES	146.94
25 NEBRASKA CH	SAT	1430Z VARIES	3982
28 CENTRAL NY	SUN	1030L K2MFB	3917
29 FINGER LAKES CH	SUN	1230L W2BCH	3900
31 READING, PA CH	MON	2100L VARIES	146.91
32 GATOR CH	SAT	0900L VARIES	145.29
33 GUNDERSON PA-JERS	DAILY	2000L W3APE	3987
35 MIDCONTINENT CH	THU	2030L KOYML	146.97
36 NORTHWEST IN	THU	2000L N9MRS	3703
36 NORTHWEST IN	WED	1930L N9MRS	147.495
37 HARRISBURG CH	WED	2100L K3IUY	147.12
38 SAN ANTONIO CH	SUN	2030L W5HRF	28650
41 DALLAS CH	SUN	0715L varies	3835
42 MOHAWK VALLEY CH	LSUN	2000L VARIES	145.45
45 CITRUS CH	TUE	1930L VARIES	147.195
46 FOUNDER'S CH	SUN	0845L W2AUF	3917
46 FOUNDER'S CH	THU	2030L W2AUF	147.36
48 TREASURE COAST CH	DLY	0800L KD2XD	7153
48 TREASURE COAST CH	DLY	1700L KD2XD	14,176
49 PEACH STATE CH	WED	2000E W9BKJV	145.41
49 PEACH STATE CH	SAT	0900E W9BKJK	3857.5
51 TEX-LA GOLDEN TRI	MON	1830L W5YCW	146.86
54 TYLER CH	MON	1930L W5RRM	28.650
55 WI CH	SUN	0830L VARIES	3985
58 CO CH	SUN	0900L W9KRE	3905
58 CO CH	SUN	0930L VARIES	146.67
62 SUWANNEE CH	SAT	0900L W4PFJ	3940
63 CENTRAL OK CH	THUR	1900L W5AS	145.41
63 CENTRAL OK CH	SUN	0800L W5AS	3855
64 EL PASO CH	SAT	0830L W5RO	3933
65 NIAGARA FRONTIER	SUN	1330L W2SD	3900
67 AUSTIN CH	SAT	0900L N5WU	3920
70 NATIONAL CAPITAL	THUR	2000L VE3QCW	147.03
73 SOUTHERN ONTARIO	SUN	0900L VE3AGS	3773
75 CENTRAL CA COAST	SAT	0800L VARIES	3917
76 BLUE RIDGE CH	SAT	1000L K4RR	3930
77 NORTHERN NJ	SUN	1300L N2XJ	3917
77 NORTHERN NJ	THUR	2000L W2IET	147.030
79 SUNFLOWER CH	WED	2100L VARIES	146.82
81 LONG ISLAND QCWA CH	SUN	1130L W2TLC	3917

NO NAME	DAY	TIME NC	FREQ
81 LONG ISLAND CH	FRI	2030L K2YAW	146.746
85 ARK-LA-TEX CH	MON	1930L WA9PZL	146.67
87 EVERGREEN CH	SUN	1500Z VARIES	3984
89 PALMETTO CH	SUN	1700L VARIES	3695
89 PALMETTO STATE CH	SAT	0900L K4MFU	3930
91 VIC CLARK CH	SUN	0900L VARIES	146.79
92 NORTHERN LIGHTS	SUN	2000L KL7CDG	146.97
94 ROADRUNNER CH	WED	1400L WB5YYX	146.72
95 EASTERN NY	SUN	1130L WB1M	3900
96 GATEWAY CH	SAT	1600Z W4KGT	3937
102 DAKOTA CH	SUN	1400Z VARIES	3889
105 MIDDLE TN CH	THU	2000L VARIES	146.91
106 GERMAN CH	MON	1700Z DL0QCW	3669
106 GERMAN CH	TUE	1700Z DL1MEB	3573
107 CENTRAL FL	THUR	1230L W4LHP	14245
107 CENTRAL FL	SAT	0900L W4LHP	7243
108 BEAVER STATE CH	WED	0800L W7LVN	3926
109 BATON ROUGE CH	SUN	2000L VARIES	146.79
109 BATON ROUGE CH	SUN	0830L VARIES	3905
110 KANSAS CH	SAT	0730L KA0RZO	3920
112 YANKEE CH	SUN	0830L W1GCA	3903
114 NORTH TEXAS CH	SAT	0830L WA5BXH	3941.5
122 LAKE ERIE TRI-STATE	SUN	0915L W3QPP	3916
123 LEE DEFOREST CH	SAT	0730L VARIES	3940
126 PIEDMONT CH	SAT	0845L VARIES	3935
128 PELICAN CH	SAT	0900L VARIES	145.29
130 INLAND EMPIRE	WED	1930L W6HV	1.896MH
130 INLAND EMPIRE	FRI	1600L W6HV	3862
130 INLAND EMPIRE	SAT	0800L W6HV	3862
131 GULF COAST CH	TUE	0900L VARIES	28750
134 PINE TREE	SUN	1930Z VARIES	3942
135 MID-MICHIGAN CH	TUE	2000L VARIES	146.70
138 MARCONI CH	TUE	2100L VARIES	147.045
140 WYOMING CH	SAT	0800L W7MZWV	3923
141 HI-PLAINS CH	SAT	0900L W5MVJ	3933
142 NORTHWEST OH	WED	2000L W8FO	147.27+
143 NORTH CO CH	SUN	0830L VARIES	145.115
146 TWIN STATE CH	SUN	0830L WA1NBI	3897
149 NUTMEG CH	SUN	1130L W1KHL	3923
150 DEL-MAR-VA CH	SUN	0900L K3PFV	146.280
151 WILD ROSE CH	MON	1900L VARIES	3747
152 ROYAL PALM CH	T-TH	1300L K4FA	14178
152 ROYAL PALM CH	MWF	1300L W4LZV	7220
154 LE MEYERSON CH	THUR	1830L K6AWO	145.480
157 PONY EXPRESS CH	SUN	0830L W0GGP	3955
160 UTAH CH	SAT	1100L VARIES	7272
162 SOUTHEAST WI	THUR	2100L N9NBC	147.27
165 YORK COUNTY PA	WED	2100L W3AXC	146.97
169 SACRAMENTO VALLEY	M/THU	1730L VARIES	3947.5
173 GOLDEN TRI CH	TUE	1930L W9JRY	147.255
174 WI BADGER	SUN	1600L VARIES	146.82
180 FOOTHILLS / OZARK	SAT	0800L K0DEW	3861
181 HUDSON VALLEY CH	TUES	2030L WA2RRK	147.060
181 HUDSON VALLEY	SUN	0815L W20ZA	3917
182 NORTHEAST TN	SUN	2100L W4EHI	145.110
183 PIONEER CH	SUN	1030L W1ALL	3923
188 LOST RIVER CH	1ST W	1915L K7RFO	146.85
191 MONTEREY BAY CH	TUES	1930L W6TUW	146.70
192 PUERTO RICO CH	WED	1900Z VARIES	146.850
194 HAWAII CH	1st S	1500L VARIES	7088
195 SUN CITY CH	SAT	0900L VARIES	145.29
196 EDISON CH	DAILY	0730L VARIES	147.345
196 EDISON CH	DAILY	0730L VARIES	147.345
198 MID SIERRA CH	SAT	0700L W6JTA	3906
199 PHIL LEIBLE CH	SUN	0930L WA0XNI	3905
203 GILBERT CROSSLEY	2WED	2000E VARIES	146.85

QCWA Welcomes New Members

DATE	MEMNUM NAME	CALL	CITY	S T	SPONSOR	SCALL
01/04/2000 30180	BELL, DAVIS P	N6OF	ESCONDIDO	CA	JACK FLETCHER	W6JIR
01/04/2000 30181	CARTER, J W JR	K4OGT	HAMPTON	VA	JIM WISE	W4PRO
01/04/2000 30182	COUCH, JERE D	N4DQ	SHARPSBURG	GA	-	-
01/04/2000 30183	CROFUTT, JAMES KEVIN	NVOG	INDEPENDENCE	MO	-	-
01/04/2000 30184	DEERING, LAWRENCE N	W2GL	BELLPORT	NY	-	-
01/04/2000 30185	MELIKOV, RUSLAN S	RA6JZ	VLADIKAVKAZ, RUSSIA	-	CHUCK WALBRIDGE	K1IGD
01/04/2000 30186	PARKER, ROY	AAOB	COLUMBIA	MO	-	-
01/04/2000 30187	TOOMEY, RICHARD N	W3JIF	YORK	PA	RAY SHAUB	W3AXC
01/04/2000 30188	ZONNEFELD, MARLYN J	WOLTL	TUCSON	AZ	GENE NAILON	K5DLE
01/04/2000 30189	BROWN, NORMAN E	WA4MSV	CHESTER	SC	JOEL E SHOCKLEY JR	K4TDG
01/04/2000 30190	BORLASE, ROBERT A	WA6LZN	BETHANY	OK	GENE NAILON	K5DLE
01/05/2000 30191	FOSTER, ROBERT J	N6RQ	SOQUEL	CA	DAVID K BRADLEY	W6CUB
01/05/2000 30192	HUDSON, RONALD ALAN	K7BCC	VANCOUVER	WA	-	-
01/06/2000 30193	BRENTS, BARRY	K0XE	BOULDER	CO	-	-
01/07/2000 30194	BAUMEISTER, ERNEST M	WK4W	HAMPTON	VA	-	-
01/10/2000 30195	GAUTHIER, LARRY	WB8BGO	WHITMORE LAKE	MI	-	-
01/10/2000 30196	GOOD, ROBERT E JR	K4BG	DEER HILL	SC	LELAND W SMITH JR	W4YE
01/10/2000 30197	NICHOLAS, JAMES D	WA3FYR	WYOMISSING	PA	-	-
01/11/2000 30198	FINDLING, FRED	K5ET	CROWLEY	LA	-	-
01/11/2000 30199	MC GOWEN, VIRGINIA L	WB6BZZ	OAKHURST	CA	CHARLES ALESSI	W6IEG
01/11/2000 30200	RAINES, DAVID A	NY1A	DAYTON	OH	-	-
01/11/2000 30201	VOLLMER, HARRY C	W8LXC	LOGAN	OH	PAUL DILLIARD	WA8IBT
01/11/2000 30202	SMITH, GEORGE	K7OZ	LONGVIEW	WA	JAMES T BRADLEY JR	N7JB
01/13/2000 30203	DE VITO, FRANK	W4OZ	FT MYERS	FL	JAN SCHEUERMAN	KJ4J
01/13/2000 30204	JOHNSON, BILLY D	K5BIL	BOULDER	CO	-	-
01/13/2000 30205	SCHLEIFFER, RICHARD A	W9ZZX	LANCASTER	OH	-	-
01/18/2000 30206	JONES, ALVIN G	K7EJY	MITCHELL	OR	-	-
01/18/2000 30207	WELLS, BILL	W4BOT	ROCKY MOUNT	VA	LELAND W SMITH JR	W4YE
01/19/2000 30208	BAIRD, W DAVID	WA9PDS	CATLIN	IL	-	-
01/19/2000 30209	CARTER, JOHN M	W3ELO	ATHERTON	CA	JAMES WILLIAMS	K6HIO
01/20/2000 30210	CHRISTENSEN, DAVID	WA9WGJ	WARRENVILLE	IL	-	-
01/21/2000 30211	COLE, ED	WBOSUT	BOULDER	CO	-	-
01/21/2000 30212	MALLOY, JOSEPH T	W2RBA	CLINTON	NY	-	-
01/21/2000 30213	TABOR, GENE RUSSELL	KB7QG	HONEYVILLE	UT	-	-
01/24/2000 30214	BARNES, RICHARD L	W4IXN	LAWRENCEVILLE	GA	FRED S RUNKLE	K4KAZ
01/24/2000 30215	BRITTENHAM, PHILLIP D	WAORVK	MONETT	MO	-	-
01/24/2000 30216	KLINKHAMER, JON C	KB1DC	REHOBOTH	MA	-	-
01/25/2000 30217	GORALSKI, JAMES R	AC6PD	ANAHEIM	CA	CAL JONES	KS7B
01/25/2000 30218	MC GILL, DOUG	VE7GDM	COURTENAY	BC	ERNIE SAVAGE	VE7FB
01/26/2000 30219	DI PERSIO, MICHAEL S	KC2Q	BRADLEY BEACH	NJ	ROBERT BUUS	W2OD
01/31/2000 30220	FORD, ROBERT E	W2REF	TEANECK	NJ	-	-
01/31/2000 30221	FORMAN, DOUG	N7BNT	VANCOUVER	WA	-	-
01/31/2000 30222	JONES, NORMAN E JR	KD2KK	WEST SENECA	NY	BOB ROONEY	W2AET
01/31/2000 30223	COOK, H WAYNE	K4PGU	NEWMAN	GA	-	-
01/31/2000 30224	FORBES, GERTRUDE	K2UXW	CLIFTON	NJ	-	-
02/01/2001 30225	CALVERT, DAVID SHAW	KB0PE	ST LOUIS	MO	JAMES A CLASSCOCK	W0FF
02/01/2000 30226	BURKHART, TIM	WNOH	SCOTTSBLUFF	NE	-	-
02/01/2000 30227	GALLOWAY, DONALD R	K5DYY	ALICE	TX	MICHAEL R ROBINSON	WB5PEF
02/01/2000 30228	MEDSKER, JOSEPH A	K8LKC	THREE RIVERS	MI	WESLEY C RANGLES	W4COW
02/01/2000 30229	SIWULA, MICHAEL A	WA6LDK	VALENCIA	CA	-	-
02/01/2000 30230	SUMMERS, STANLEY KEITH	W8SKS	KALKASKA	MI	K G BULLOCK	W8YDJ
02/02/2000 30231	HAWKINS, DOUGLAS P	W3HH	CORAOPOLIS	PA	LARRY RYBACKI	WA2ARA
02/03/2000 30232	KAUTZ, DANIEL D	W5EHS	FRISCO	TX	-	-
02/03/2000 30233	LYNCH, JAMES J	WA1EJY	MARLBOROUGH	MA	-	-
02/04/2000 30234	ADERHOLT, JAMES K	KI4DH	ROBBINS	NC	-	-
02/04/2000 30235	GARLOCK, D LEE	KD4RE	FAIRFAX	VA	JAY JACKSON	W4VG
02/04/2000 30236	PERRONE, ANTHONY	W1CGI	PAWCATUCK	CT	RICH MONAHAN	K1FPP
02/07/2000 30237	ALEXANDER, CHARLES T	K5RY	HUNTSVILLE	AL	WALTER B. WILSON	KJ4VQ
02/07/2000 30238	CHRISTIAN, CHUCK	WA4SCS	HUNTSVILLE	AL	-	-
02/07/2000 30239	MARTIN, JOSEPH D	W4LUW	ORLANDO	FL	-	-
02/10/2000 30240	HARRISON, CAROLYN	WB0OUM	BOLIVAR	MO	GARY HARRISON	K0BC
02/10/2000 30241	DOWNS, DONALD B	WA4AVU	CARY	NC	-	-
02/10/2000 30242	PARKER, ANDREW A	WV1B	PEBBLE BEACH	CA	PHIL KELLEN	K6CI
02/10/2000 30243	PETERS, STEPHEN W	WA8KXT	ORLAND PARK	IL	DALE SVETANOFF	WA9ENA
02/11/2000 30244	ESBORN, JOHN E	K8OCK	WICKLIFFE	OH	ROCKY ZIMMERMAN	W8UYN
02/14/2000 30245	DEAN, JARREL	WA6GVO	SEAL BEACH	CA	-	-

New Members

02/14/2000 30246	MELLARD, DANNY	WA4TOG	HORSESHOE	NC	DUKE KNIEF	W4DK
02/14/2000 30247	TUDOR, HERBERT L	K5OIP	ARCADIA	OK	GENE NAILON	K5DLE
02/14/2000 30248	FLAWN, ERNIE	VE7XY	LANGLEY	BC	-	-
02/14/2000 30249	BAKER, RON	W8HFZ	PREDEMVILLE	MI	MIAMI HAMFEST	-
02/14/2000 30250	KELLAM, CLIFF J	N9BJG	WEST FRANKFORT	IL	MIAMI HAMFEST	-
02/17/2000 30251	JAUSSAUD, CAROL J	K7KD	CODY	WY	HOWARD LEE FOUTS	K7MBJ
02/17/2000 30252	LOVELESS, PHIL	KN6R	SAN DIEGO	CA	HUGH GRAHAM	W6HG
02/17/2000 30253	WHITEMAN, DONALD	KK9H	NORTHFIELD	IL	-	-
02/17/2000 30254	NOLAND, WILLIAM G	WA5FWD	YUKON	OK	GENE NAILON	K5DLE
02/18/2000 30255	GRIEVE, LINDA F	KB0PHS	WICHITA	KS	-	-
02/18/2000 30256	HIGGINS, JOHN E	KA0CPO	ST PAUL	NE	JOHN MC KINNEY	WOAP
02/18/2000 30257	SMITH, WILLIAM J	K3SIS	CARMEL	IN	-	-
02/18/2000 30258	LINDHOLM, VAL	KIOGQ	BRECKENRIDGE	CO	SKIP WITHROW	WB0BBE
02/22/2000 30259	JOHANNES, VIRGIL I	K2GTV	WINTER PARK	FL	JOHN T EDEL	K8LBZ
02/22/2000 30260	DORSEY, DANIEL R JR	K4UVT	CHARLOTTESVILLE	VA	HARRY J DANNALS	W2HD
02/22/2000 30261	KAMMAN, ALAN D	W1SA	LINCOLN	VT	-	-
02/22/2000 30262	PHILHOWER, CHARLES M	WA9KZC	RICHMOND	IN	HERBERT MC ADAMS	KB9HM
02/23/2000 30263	BUZZARD, ROBERT J	W3RRV	CARMEL	CA	LEONARD ROSEN	N2LR
02/23/2000 30264	CAYCE, ROBERT E	WB6TKM	CARMEL VALLEY	CA	P L KELLEN	K6CJ
02/23/2000 30265	ROSA, LYNN B	K6IYD	SAN MARTIN	CA	P L KELLEN	K6CJ
02/23/2000 30266	WALTERS, WILLIAM	W6PAD	APTOS	CA	LEONARD ROSEN	N2LR
02/24/2000 30267	ZUKERMAN, ROY C	AC6H	FOUNTAIN VALLEY	CA	-	-
02/28/2000 30268	ALLEN, PHILIP F JR	W5UTK	AUSTIN	TX	-	-
02/28/2000 30269	ATWATER, JOSEPH N	K4KTQ	WINTER PARK	FL	PAUL A TURNER	W1DLP
02/28/2000 30270	CUBILO, KENNETH M	W8OB	ALPENA	MI	-	-
02/28/2000 30271	DORSEY, JOHN W	W5LWR	BISHOP	TX	MIKE ROBINSON	W5PEF
02/29/2000 30272	REED, ROBERT W	WA2ZOU	EL PASO	TX	MANUEL GONZALEZ	W2BFI
03/01/2000 30273	CHURCH, ROBERT	K7YB	LACEY	WA	-	-
03/02/2000 30274	LANTZ, RONALD E	K6CJM	DANA POINT	CA	-	-
03/02/2000 30275	TOEWS, NATHAN E	W7NAT	SALEM	OR	-	-
03/03/2000 30276	BABER, BRENDA	N8FHN	EASTLAKE	OH	TAD BURIK	WA8PXL
03/03/2000 30277	HUNTER, HAL	WA6JZE	OAKDALE	CA	-	-
03/03/2000 30278	JOHNSON, ROBERT L	KC9HP	LANARK	IL	-	-
03/03/2000 30279	ZABEL, JAMES O	W9KNZ	BROOKFIELD	WI	RON YOKES	W9BCK
03/06/2000 30280	KRUMHOLZ, DAVID M	WA2YYL	REGO PARK	NY	KATE SAUL	AE2Z
03/06/2000 30281	MANNING, CARL R	K5ROR	GRANBURY	TX	-	-
03/06/2000 30282	KISELOFF, H W	WA6GPW	WAXAHACHIE	TX	-	-
03/07/2000 30283	ATKINSON, FRED W III	WB4AEJ	GAITHERSBURG	MD	-	-
03/09/2000 30284	BJURLING, CHRIS	K1GDM	BARRE	MA	-	-
03/09/2000 30285	CRAIG, RONALD B	WA4KST	ALVIN	TX	BILL PEARRE	K5MMP
03/09/2000 30286	JARRETT, FREDERICK C	N4NVW	ALTAMONTE SPR	FL	BLANCHE RANGLES	W4GXZ
03/09/2000 30287	CRAIGER, WILLIAM C	K8UV	BRISTOLVILLE	OH	-	-
03/09/2000 30288	DONEGAN, JAMES H	W8ADX	SAN JOSE	CA	CROFT TAYLOR	VE3CT
03/09/2000 30289	POTTER, MARK L	W9UZ	WHEATON	IL	PAUL TURNER	W1DLP
03/10/2000 30290	OKAMOTO, MASAKI	JE3EZS	JAKARTA, INDONESIA	-	-	-
03/13/2000 30291	MARTIN, WILLIAM E	W4AFU	GASTONIA	NC	F B ASHLEY	K4MFU
03/13/2000 30292	HILL, DAVID W	W3DWH	TEMPLE	PA	ALBERT BRAILER	W3UQC
03/13/2000 30293	VON RAITS, PETER	KD5JIL	ST AUGUSTINE	FL	-	-
03/16/2000 30294	SAVELLI, EUGENE A	W6QFU	MODESTO	CA	ROBERT ROONEY	W2AET
03/17/2000 30295	BAGLEY, DALE	K0KY	MACON	MO	BOB ROSKE	WA0CLR
03/17/2000 30296	PARENT, RICHARD D	W0ZAP	OVERLAND PARK	KS	GARY HARRISON	K0BC
03/17/2000 30297	WITULSKI, DANIEL L	WB0ORU	BEATRICE	NE	BOB ROSKE	WA0CLR
03/17/2000 30298	GEITGEY, LYNN A	KB0LRB	MERRIAM	KS	BOB ROSKE	WA0CLR
03/17/2000 30299	SMITH, ROBERT E	K4PHE	LEESBURG	GA	-	-
03/21/2000 30300	BELL, WILLIAM V	WB9DRR	FAIRVIEW HEIGHTS	IL	KENNETH D SCOTT	W9UHL
03/21/2000 30301	KRACKE, FRED	KK5RF	JACKSON	MS	TOM SELLERS	K5CNU
03/21/2000 30302	PRATT, BURTON L	K4PRF	MONTGOMERY	AL	-	-
03/22/2000 30303	KIERSCH, EBERHARD	DK8EK	GERMANY	-	WERNER LEMBCKE	DL1ZC
03/22/2000 30304	LIEBICH, ERHARD	DK8EW	GERMANY	-	WERNER LEMBCKE	DL1ZC
03/22/2000 30305	URBAN, HELMUT	DL8ARX	GERMAHY	-	ERNER LEMBCKE	DL1ZC
03/22/2000 30306	DOUGLAS, HALLIE B	WB5NLY	CORPUS CHRISTI	TX	ROBERT N DOUGLAS	W5GEL
03/23/2000 30307	BALKO, DAVID F	W8GUR	TRENTON	MI	-	-
03/23/2000 30308	SPECK, ROBERT C	W4MPJ	PORT CHARLOTTE	FL	CROFT TAYLOR	VE3CT
03/24/2000 30309	ALMEIDA, ROBERT J	WA3HBT	LEVITTOWN	PA	DDONALD G FIELD	W2UAE
03/24/2000 30310	CHRISTIAN, CARL F	KF4JI	COCOA	FL	-	-
03/24/2000 30311	HENSON, HERBERT L	K06Z	SAN MARCOS	CA	-	-
03/24/2000 30312	MC NEW, EUGENE	WB9PRG	OAK CREEK	WI	-	-
03/27/2000 30313	FABOZZI, FRANK	WB2BTJ	PLEASANTVILLE	NY	HARRY MOORE	W2JQS
03/30/2000 30314	YOUNG, ROY J	KJ7YF	FORT PIERCE	FL	-	-

Silent Keys

With sadness we record the passing of these members

NAME	CALL	MEMNUM	L	SK	CITY	STATE
GULL, ALBERT H	K0AIE	23759		1999	EDGEMONT	SD
KRATZ, WINSTON W JR	KB0KK	24302		2000	ST LOUIS	MO
MC LOUD, W CLIF	W0AZT	10958		1999	DENVER	CO
DUNN, RILEY M	W0CEL	20739		2000	INTERNATIONAL FALLS	MN
LASSEY, J G	W0OYA	12250		1999	MILTONVALE	KS
SCHAPER, EDWARD W	W0ZJG	28777		1999	ST LOUIS	MO
TODD, CARL	AE1H	12766	*	2000	NEW CANAAN	CT
BLANKENHORN, OTTO	DJ1TC	12326	*	1999	GERMANY	
KNORR, ROLF	DJ1XI	20928	*	1999	GERMANY	
MUELLER, WERNER	DL1LWM	28535		1999	GERMANY	
CUMMINGS, DAWN M	K1TQY	29069		2000	KEENE	NH
MAC DONALD, JAMES	N1LPU	25681		1999	BARNET	VT
REYNOLDS, THOMAS J	ND1D	11717	*	1999	ISLESBORO	ME
EDGERTON, JOHN N	W1KDW	25794		1999	NEW GLOUCESTER	ME
LEAVITT, GERALD H	W1MXT	19309		1999	MILLINOCKET	ME
BAPTIST, CHARLES NQUIT	W1PB	05121	*	2000	ZEPHYRHILLS	FL
BRODEUR, LEO H J	W1VNE	25591		2000	LUDLOW	MA
PRITCHETT, MICHAEL	AA2VX	29637		2000	APALACHIN	NY
KRAVITZ, LEONARD	KC2CR	27819		1999	WOODBURY HTS	NJ
ISRAEL, LESTER W	W2AAR	06236	*	1999	RICHFIELD	OH
COXEY, EDWARD J	W2AFD	06823		1999	SUN CITY CENTER	FL
WINTER, DAVID W	W2AUF	00702	*	2000	WOODHAVEN	NY
MACY, SAMUEL C	W2DNN	29098		1999	ELGIN	IL
KIRCHBERGER, RALPH W	W2GHO	15228		2000	KENILWORTH	NJ
CUDNEY, HARRY E III	WIWA	18684	*	1999	NOBLETON	FL
PURDY, WILLIAM CURTIS	W2LFJ	23289		1999	SYRACUSE	NY
STENERSON, JUSTIN F	W2XF	25107		2000	WHITE PLAINS	NY
BOETTCHER, CHARLES F	KA3OCH	18923		1999	READING	PA
DE FREES, EDWARD J	NA3D	13157		1999	READING	PA
BOWER, DONALD R	VE3BEF	28492		2000	OTTAWA	ON
EVERSON, CARL	VE3BYX	08764	*	2000	OSGOODE	ON
LOOKER, FRED J	VE3ZL	07503	*	1999	GODERICH	ON
DEACON, HORANCE P JR	W3AJF	03660	*	1999	FORT WASHINGTON	PA
SMITH, EMMETT	W3BNO	27211		1999	BALTIMORE	MD
HACKERTY, HARRY M	W3BOL	09811		1999	TEMPLE	PA
NESBITT, H PHILIP SR	W3CQ	15422	*	1999	SILVER SPRING	MD
GURGICK, JAMES J V	W3DIT	23550		1999	BALTIMORE	MD
GREEN, BRUCE I	W3IR	08187		2000	EDGEWATER	MD
LISICKY, FRANCIS A	W3IYG	27758		1999	CATASAUQUA	PA
HUNTER, HOWARD W	W3JAV	05018	*	1999	PITTSBURGH	PA
FERENC, JOSEPH	W3TVB	08332		1999	PITTSBURGH	PA
PESARCIK, WILLIAM	WA3IHX	25412		2000	WHITEHALL	PA
GRAVESON, GEORGE L	K4JI	13516		2000	PLANTATION	FL
PERKINSON, JOSEPH E	K4OM	24487		2000	ROSSVILLE	GA
MILLER, ROBERT H	W4AEY	16945		1999	ASHEVILLE	NC
DIVELY, G E	W4CLU	04692	*	2000	SPRINGFIELD	VA
PERRY, HAYWOOD N	W4DHZ	24706		2000	NORFOLK	VA
TODD, WALT	W4JXI	12654	*	2000	HENDERSONVILLE	NC
HUDGINS, LEONA C	W4NTA	17195	*	2000	ALEXANDRIA	VA
SIMPSON, CECIL R	W4UQH	25778		1999	FULTONDALE	AL

BOLVIN, THELMA J	WB4AUR	19528	2000	ORLANDO	FL
LINES, LESLIE A	K5SDF	12415	* 2000	BOSQUE FARMS	NM
OBERNDORFER, JOSEPH C	KK5JX	15346	* 2000	EL PASO	TX
BROWN, DWIGHT M	W5ABA	06798	* 1999	SHREVEPORT	LA
IDEKER, ARTHUR L	W5CAM	19320	2000	BENTON	AR
DALBY, JOHN E	W5COE	11238	2000	OKLAHOMA CITY	OK
JONES, CRESWELL C	W5ENQ	27333	1999	HOWE	TX
BARR, E W	W5HAK	06827	1999	FT WORTH	TX
GANN, JOHN H	W5HYQ	06801	2000	SANTA FE	NM
HUGHS, CARLETON N	W5JT	02260	1999	HOUSTON	TX
LOUGHRIGE, ALBERT W	W5OUJ	26027	1999	LAS CRUCES	NM
LUX, LOWELL M	K6SRD	17839	2000	BERKELEY	CA
MURPHY, JAMES K	KK6KZ	24182	1999	SAN DIEGO	CA
CHANEY, WILLIAM B	KK6WI	23873	2000	GANADA HILLS	CA
VANDERSLICE, JANE	N6NTB	27613	1999	SUN VALLEY	NV
BACHMAN, W E	W6BIP	17070	2000	SAN FRANCISCO	CA
EVANS, JAMES S	W6EFB	16145	* 1999	RIDGECREST	CA
BARRUS, EDWARD W JR	W6GPS	15556	1999	SAN DIEGO	CA
WALSH, CHARLES E	W6HVX	20022	2000	SAN ANSELMO	CA
COUZIN, ROY I	W6LZL	06097	2000	FELTON	CA
JOHNSON, HERB G	W6QKI	04568	* 2000	CARDIFF	CA
GLISAN, DAVID DEAN	WB6JJR	29295	1999	FELTON	CA
DAVIS, ROBERT J	K7IY	26420	2000	RENO	NV
HILTERBRAND, EARL	K7SLM	21651	1999	CASPER	WY
GREEN, MAX	VE7DZ	07828	2000	WHITE ROCK	BC
BICE, MAX H	W7AEA	01216	* 1999	GIG HARBOR	WA
WEILAND, WARD	W7GEY	16188	1999	SEATTLE	WA
STEWART, PAT	W7GVC	09944	2000	WALLA WALLA	WA
HENDRICK, WILLIAM L	W7YUY	15073	2000	EUGENED	OR
AUGUSTINE, RAY G	K8AGO	27536	2000	LAPEER	MI
HENRY, MERTON A	K8ETU	18710	* 2000	OKEECHOBEE	FL
JORDAN, WILLIAM G	NF8W	12132	1999	KENT	OH
LANG, LOUIS M	W8KOO	12815	2000	MIAMISBURG	OH
BECK, LOREN	W8LB	13385	1999	MASSILLON	OH
BREWER, HIRAM W	WB8DNE	26583	1999	SEBRING	FL
SCHAEILING, WOLFGANG	DL9MP	18137	* 1999	GERMANY	
SUNDERLAND, RAYMOND J	K9ANV	21153	1999	SCHOFIELD	WI
STANGE, WILLIAM J	W9DDP	11381	* 1999	PATAGONIA	AZ
TONER, WILLIAM J	W9MKL	06351	1999	CHICAGO	IL
KIENTZ, FOREST C	W9UCT	09430	* 1999	OAKRIDGE	TN
STAATS, LAWRENCE L	WA9CNA	20445	& 1999	WAUKESHA	WI
WEIMANN, A HERBERT	WA9KWV	26507	1999	VERO BACH	FL

QSL Collector

In the Spring 1999 issue of the Journal, we spoke of Bob Baird W9NN and Al Kahn K4FW celebrating their diamond QSO (75 years). The Journal showed several of the QSL cards of each.

We received a note from Jan Perkins N6AW/7J7AAZ of Brea CA to let us know that he probably has a QSL card for most all old timers who were active in the 20s or 30s. He enclosed a copy of a card sent by Bob Baird and one sent by Al Kahn to Radio 9ZT (Minnesota Wireless Association). Both cards were sent in 1923.

34 WEST FIRST ST., DAYTON, OHIO

RADIO *GZT* A. R. R. L.

- Your *aw* Hrd *at* 1 PM 12-30-1923 Audibility *vgfb*
Wkd
TONE *dc* QSS *nil* QRM *bad* QRN *-*
Receiver Hertz *1000* Sange *1000* Wavelength *300* m.
Transmitter: *W* Wavelength *300* m. Power *3* Amps.
Plate Voltage *250* Volts R. & B. Set.
Antenna, *10* ft. H. Counterpoise *5* Wires.
Remarks *See log book*

Member
Royal Order of Wouff Hound

Best 73's -
ROBERT E. BAIRD

The card of Bob Baird 8CWR sent to 9CT in December 1923

Resid 92T 9881
 Hld with us some time ago on, took on
 us sig strange interfric hr, nearly like
 local, at sum and all.
 Scale as no ampl hr. Can hr w 2 ft from
 10 watt cur but blew tubes was read.
 2.5 HWA & why 1000 miles
 No nega agn QSR PSE gte
 cul om. 23
 9881 Baby eyes (9881)

The card of Al Kahn 9BBI sent to 9CT in February 1923

In case you're not familiar with Jan Perkins, he achieved the highest score in North America in the 1991 Japan International DX Contest (JIDXC), sponsored by 59 Magazine (JA1ELY Editor). He was provided a plane ticket to Japan (courtesy of JA7RHJ) to receive his plaque.

If you are interested in finding out more information about any of the old timers who were active in the 20s or 30s, you might inquire by writing to:

Jan D. Perkins, N6AW
524 Bonita Canyon Way
Brea, CA 92621

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OR

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Bola tie color(circle one): Black, Blue,

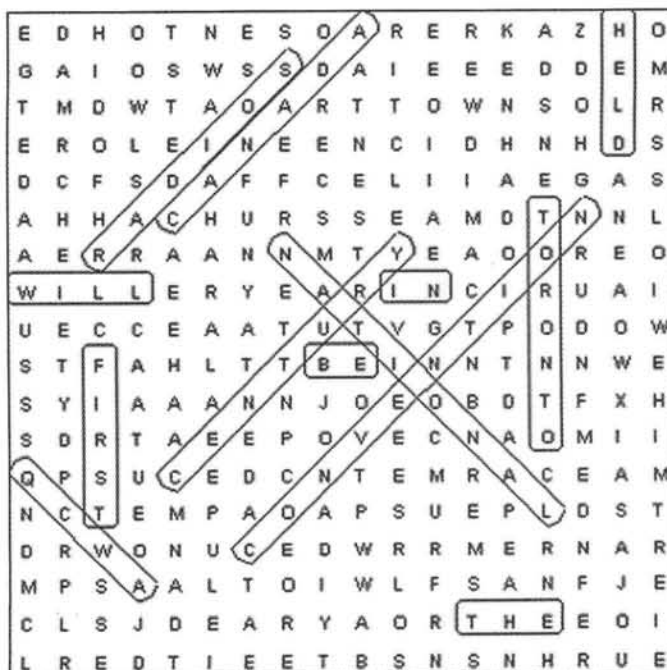
Brown, Green, Red and White.

Total Cost.....

Complete in full and mail with your check to:
OCWA, 159 East 16th, Eugene, OR 97401-4017

SOLUTION

QCWA Word Quiz



Member Classified

FOR SALE: IC820H Icom multimode, VHF, UHF 100 watt transceiver with satellite by KLM and the Drake G500-A elevation rotor and a Alliance azimuth rotor, all for \$1495 by K8SIN in Midland, TX (ve6ccr@aol.com)

WANTED: Hallicrafters SR400A, HA 20 VFO, McMurdo-Silver 801, 802 receiver, Eddystone receivers. John Hurst, KU6X, 2512 Euclid Crescent East, Upland, CA 91784. (909) 981-6759 or hurstsj@gte.net

WANTED: Narrow based Vibroplex bug (3 inches or less) grey or black. McElroy bug. Signal magazines. KN9VKY QSL. Brian Roberts, K9VKY, 130 Tara Dr., Fombell, PA 16123. (724)758-2688. k9vky@stargate.net

WANTED: Older/unusual telegraph keys, "bugs", or anything related to telegraphy! Top dollar paid for new additions to my collection. Have many items for sale/trade. Toll free 888-848-1572 or trogo@telegraphy.com

NOTICE: From Tony N7BG. I collect, buy and sell Telegraph keys and all related items. Call toll free 888-848-1572

WANTED: EBY PCK transmitter 6C4/5763 40/80 meter. Dean Sever W8IM, 1701 Harcourt Drive, Leesburg, FL 34748 or W8IM@aol.com.

FOR SALE: QST, Mint January 1977 to December 1999 - \$250.00. QCWA Journal Vol. 31 No. 3 to Vol. 48 No. 4 - \$75.00. Antique Radio Classified 1990 to 1999 - \$100.00. No singles or year. Above plus UPS. Onerio Lou Sabetto W8PIU, 1717 Burgess Rd., Cleveland, OH 44112. 216-481-1036

FOR SALE: Collectors items - INSTRUCTOGRAPH code machine with tapes - \$40.00. BUD CODEMASTER code practice oscillator - \$15.00. You pay shipping. Arnold Sayre W8WVM, HC 36, Box 14, Buckhannon WV 26201. Ph: 304-472-1629

WANTED: Mosley CM-1, TENTEC 315, RX-10, Heathkit AR-3, GE-371, Hallicrafters CR-3000. Herman Schnur, 3205 Brick Kiln Road, Greenville, NC 27858. Ph: 252-752-2264

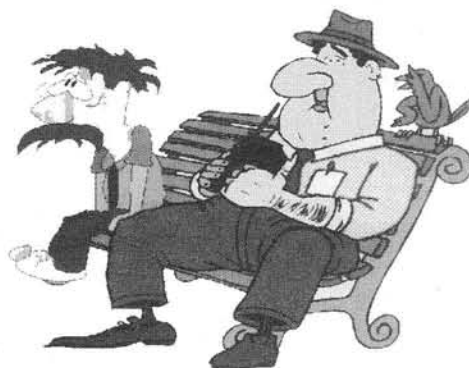
WANTED: Collins KWM-380; Military gear: Lil LULU 6 meter. Receiver/Transmitter: Drake DSR-1, 2, R7, Hallicrafters SX-88, SX-73, SX-115; RME-9. Steve K6PFW, 848 N. Silverwood, Upland, CA 91786. Ph: 909-985-1062. E-mail: wsbarnes@eee.org

FREE!!!: HAM and IBM disk catalog. High quality, newer, virus free programs. MOM 'N' Pop's SOFTWARE, P.O. Box 15003-QJ, Springhill, FL 34609-0111. Ph: 352-688-9108. E-mail: momnpop@webcombo.net

Please send classified ads to QCWA Journal, 672 Indian River Dr., Melbourne, FL 32935 to arrive no later than 1 month prior to publication date. Ads may also be faxed to 800-421-3279 or e-mailed to gwentz@digital.net

Kindly limit ads to 25 words. Words are counted as follows: **WANTED, FOR SALE, FREE,** etc count as 1 word; your address counts as 6 words.

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for membership in QCWA.
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For Office Use Only

Membership No. _____

Date _____

First Licensed, Year _____

Deposit Record _____

Have you been previously enrolled in QCWA? _____

I, _____, _____
(Please Print Name Clearly) Present Callsign _____

having been licensed as an amateur 25 or more years ago and presently holding the call listed above (it is not necessary to have been licensed the entire 25 years) hereby apply for membership in QCWA. I understand that proof of the original date of licensing is required. My complete mailing address is:

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I will keep QCWA Headquarters advised of changes in my address and/or callsign. My first amateur license was issued _____ Other calls held _____
I wish to become affiliated with QCWA Chapter _____
Date of birth _____ Birthplace _____
Present occupation/business _____
If retired, what was major life work? _____
Other organizations you belong to _____
Your signature _____

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QCWA dues for a two-year period	\$35		_____
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Total _____

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